TM 11-6625-640-24P

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR

OSCILLOSCOPES AN/USM-117B AND AN/USM-117C (NSN 6625-00-787-0304)

HEADQUARTERS, DEPARTMENT OF THE ARMY
AUGUST 1977

TECHNICAL MANUAL
No. 11–6625–640–24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *12 August 1977*

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Current as of 21 April 1977

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* This manual supersedes TM 11–6625–640–25P, 29 September 1966 and so much TM 11–6625–640–15, 17 March 1971 as pertains to repair parts & tools.

SECTION I

INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the AN/USM-117B and AN/USM-117C. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	*Definition*
PA	Item procured and stocked for anticipated or known usage.
XD	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source-coded above, except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(*a*) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	*Application/Explanation*
O	Support item is removed, replaced, used at the organizational level.
H	Support item is removed, replaced, used at the general support level.

(*b*) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	*Application/Explanation*
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
Z	Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability codes	*Definition*
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
H	Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock-numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are:

Code	*Used on*
3FN	AN/USM-117B
3F3	AN/USM-117C

b. The following publication pertains to the AN/USM-117B and AN/USM-117C and its components:

TM 11-6625-640-15, Oscilloscope AN/USM-117, AN/USM-117A, AN/USM-117B, and AN/USM-117C

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

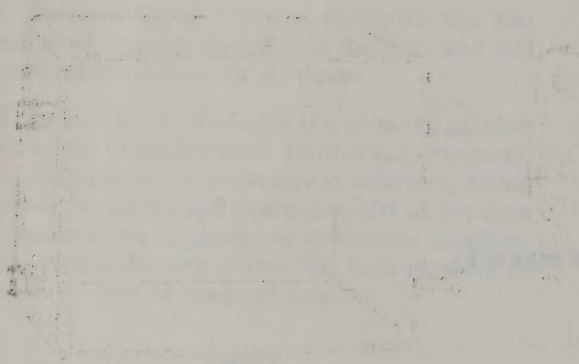
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)



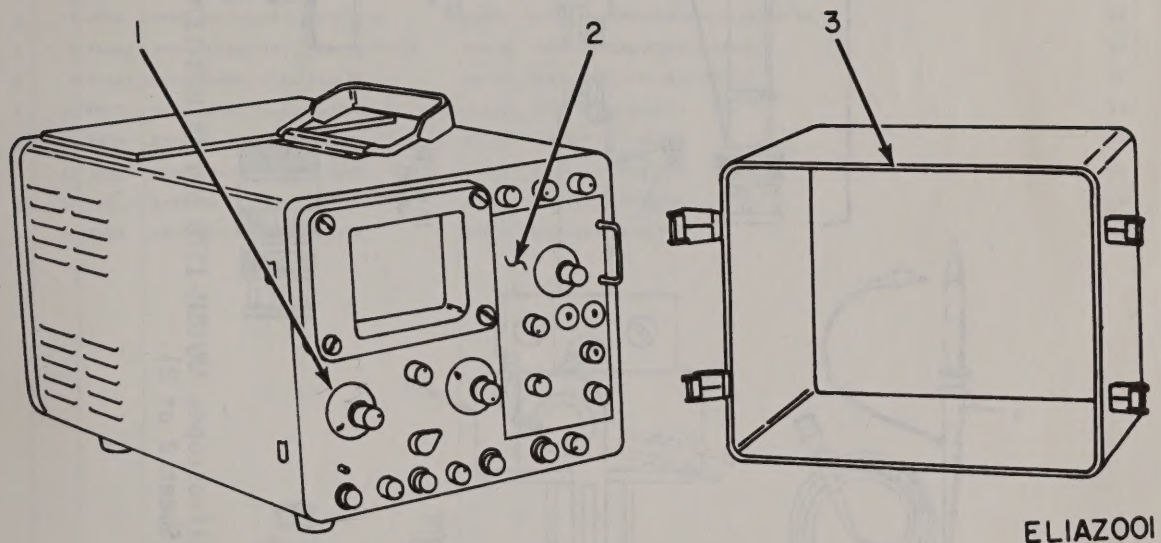


Figure 1. Oscilloscopes AN/USM-117B and AN/USM-117C (Sheet 1 of 2).

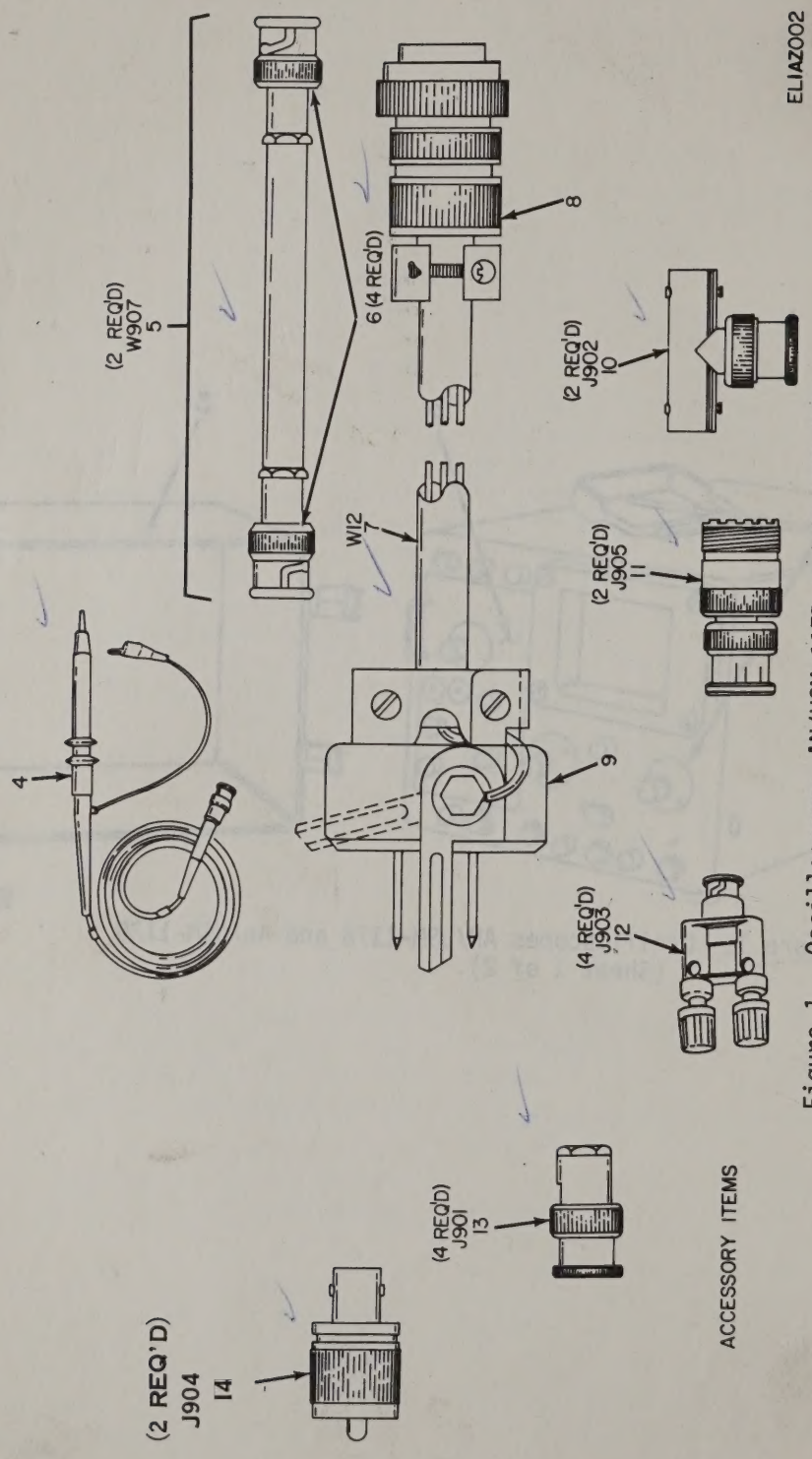


Figure 1. Oscilloscopes AN/USM-117B and AN/USM-117C (Sheet 2 of 2).

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 00 OSCILLOSCOPES AN/USM-117B AND AN/USM-117C		
1	1	XDHHD		OS106CUSM117	80058	OSCILLOSCOPE 3F3	EA	1
1	1	XDHHD		OS106BUSM117	80058	OSCILLOSCOPE 3FA	EA	1
1	2	XDHHD		MX2996BUSM117	80058	OSCILLOSCOPE SUBASSY,VERTICAL CH,HIGH GAIN PREAMP 3FN	EA	1
1	2	XDHHD		MX2996CUSM117	80058	OSCILLOSCOPE SUBASSY,VERTICAL CH,HIGH GAIN PREAMP 3F3	EA	1
1	3	PAOZZ	6625-00-930-6836	CW541BUSM117	80058	OSCILLOSCOPE COVER	EA	1
1	4	PAOZZ	6625-00-034-6308	MX2817U	80058	PROBE ASSEMBLY	EA	1
1	5	PAOHH	5995-00-503-0470	CG409EU	80058	CABLE ASSEMBLY,RADIO FREQUENCY	EA	2
1	6	PAHZZ	5935-00-823-0487	UG88EU	80058	CONNECTOR,PLUG	EA	4
1	7	PAOHH	5995-00-985-7744	CX4704AU	80058	CABLE ASSEMBLY,POWER,ELECTRICAL	EA	1
1	8	PAHZZ	5935-00-805-4991	MS3106E14S7S	96906	CONNECTOR,PLUG,ELECTRICAL	EA	1
1	9	PAHZZ	5935-00-636-7145	UP121M	80058	CONNECTOR,PLUG,ELECTRICAL	EA	1
1	10	PAOZZ	5935-00-201-2411	UG274AU	80058	ADAPTER,CONNECTOR	EA	2
1	11	PAOZZ	5935-00-149-3914	UG255U	80058	ADAPTER,CONNECTOR	EA	2
1	12	PAOZZ	5935-00-856-9441	UG1035U	80058	ADAPTER,CONNECTOR	EA	4
1	13	PAOZZ	5935-00-681-5685	UG88CU	80058	ADAPTER,CONNECTOR	EA	4
1	14	PAOZZ	5935-00-149-3534	UG273U	80058	ADAPTER,CONNECTOR	EA	2

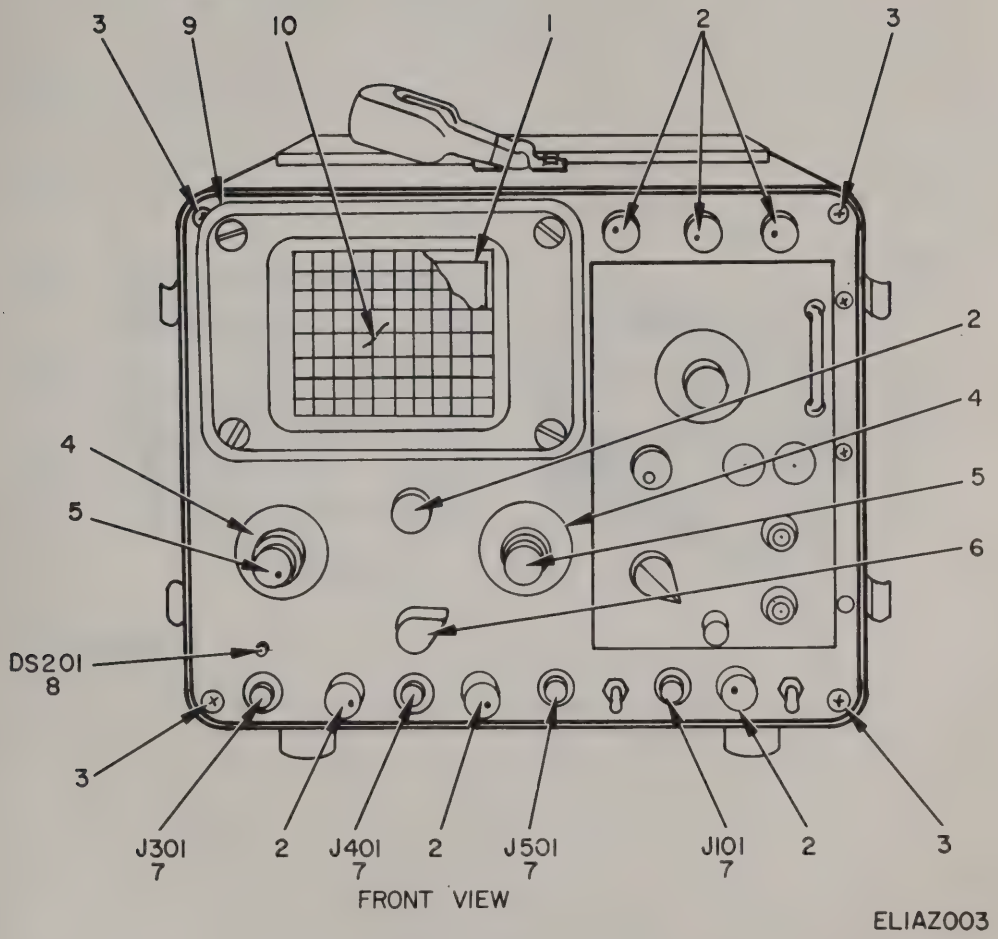


Figure 2. Oscilloscope Assembly OS-106()/USM-117 (Sheet 1 of 2).

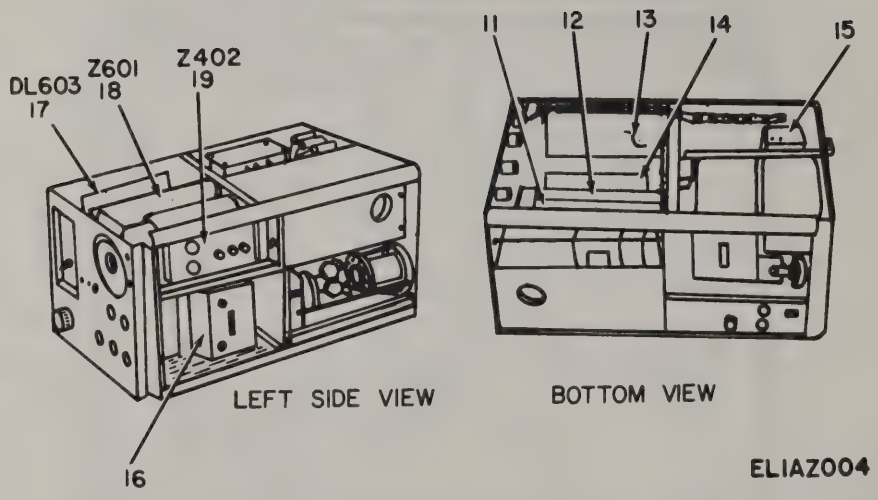


Figure 2. Oscilloscope Assembly OS-106()/USM-117 (Sheet 2 of 2).

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 01 OSCILLOSCOPE ASSEMBLY		
						OS-106( )/USM-117		
2	1	PAHZZ	5960-00-873-2626	32113187	93346	FILTER,LIGHT	EA	1
2	2	PAOZZ	5355-00-057-7794	50-1WD1G	99687	KNOB	EA	7
2	3	PAHZZ	5305-00-821-0936	4602-2-16	01009	SCREW,CAPTIVE	EA	4
2	4	PAOZZ	5355-00-762-1493	703CB2G	49956	KNOB	EA	2
2	5	PAOZZ	5355-00-725-6095	R50-1WD1G	99687	KNOB	EA	2
2	6	PAOZZ	5355-00-990-3173	MS91528-0P1B	96906	KNOB	EA	1
2	7	PAHZZ	5935-00-552-7660	UG625BU	80058	CONNECTOR,RECEPTACLE	EA	4
2	8	PAOZZ	6210-00-226-4542	L20046R02	81640	LIGHT,INDICATOR	EA	1
2	9	XDHZZ		32113074	20183	BEZEL	EA	1
2	10	PAHZZ	6625-00-872-9101	32113075	20183	SCALE	EA	1
2	11	XDHHH		32113591	93346	SWEEP TRIGGER	EA	1
2	12	XDHHH		32113596	93346	SWEEP GENERATOR	EA	1
2	13	XDHHH		32113590	93346	CALIBRATOR	EA	1
2	14	XDHHH		32113600	93346	HORIZONTAL AMPLIFIER	EA	1
2	15	XDHHH		32113588	93346	LOW VOLTAGE POWER SUPPLY	EA	1
2	16	XDHHH		32113595	93346	POWER SUPPLY,HIGH VOLTAGE	EA	1
2	17	XDHHH		32115544	20183	DELAY LINE ASSEMBLY	EA	1
2	18	XDHHH		32113690	20183	CIRCUIT BOARD ASSEMBLY	EA	1
2	19	PAHHH	6625-00-818-1608	32113776	20183	PRINTED BOARD ASSEMBLY	EA	1

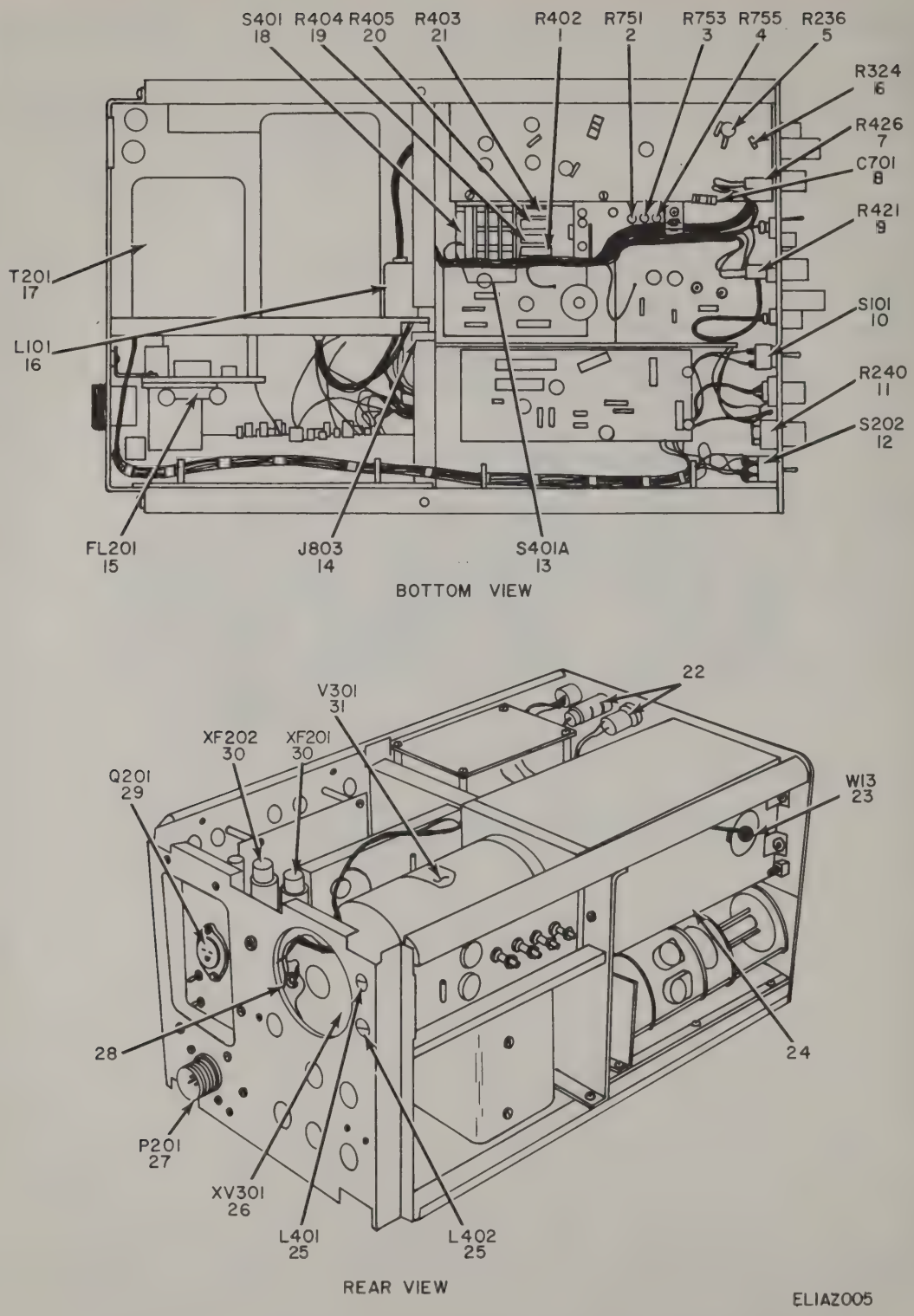


Figure 3. Oscilloscope Assembly OS-106()/USM-117, Chassis Assembly, Bottom and Rear Views.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
3	1	PAHZZ	5905-00-080-3913	RN70D4992F	81349	RESISTOR,FIXED,FILM	EA	1
3	2	XDHZZ		RS254M	01121	RESISTOR,VARIABLE	EA	1
3	3	PAHZZ	5905-00-837-9291	RS503M	01121	RESISTOR,VARIABLE	EA	1
3	4	XDHZZ		RS253M	01121	RESISTOR,VARIABLE	EA	1
3	5	PAHZZ	5905-00-252-4018	RC20GF470J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
3	6	PAHZZ	5905-00-192-0390	RC20GF105J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
3	7	PAHZZ	5905-00-577-1761	RV6NAYSD102A	81349	RESISTOR,VARIABLE 3FN	EA	1
3	7	PAHZZ	5905-00-071-1577	GA2N040S102MA	01121	RESISTOR,VARIABLE 3F3	EA	1
3	8	PAHZZ	5910-00-676-7576	CC21CK1R5C	81349	CAPACITOR,FIXED,CERAMIC	EA	1
3	9	XDHZZ		GA2N040S251MA	01121	RESISTOR,VARIABLE	EA	1
3	10	XDHZZ		TC6	70309	SWITCH,TOGGLE	EA	1
3	11	PAHZZ	5905-00-879-4409	3WW50-2W	71590	RESISTOR,VARIABLE,WIRE WOUND	EA	1
3	12	PAHZZ	5930-00-820-9131	T2150	81640	SWITCH,TOGGLE	EA	1
3	13	XDHZZ		32113775	20183	SWITCH ASSEMBLY	EA	1
3	14	PAHZZ	5935-00-259-4636	26-190-16	02660	CONNECTOR,RECEPTACLE,ELECTRICAL	EA	1
3	15	PAHZZ	5915-00-912-7331	33285098	20183	FILTER,LINE	EA	1
3	16	PAHZZ	5950-00-682-3160	HVC4	80223	COIL,RADIO FREQUENCY	EA	1
3	17	PAHZZ	5950-00-856-3065	32113188	20183	TRANSFORMER,POWER	EA	1
3	18	PAHZZ	5930-00-954-0409	32113509	20183	SWITCH,ROTARY	EA	1
3	19	PAHZZ	5905-00-892-6479	RN70D1003F	81349	RESISTOR,FIXED,FILM	EA	1
3	20	PAHZZ	5905-00-059-9323	RN70D2492F	81349	RESISTOR,FIXED,FILM	EA	1
3	21	PAHZZ	5905-00-813-8638	RN65D8062F	81349	RESISTOR,FIXED,FILM	EA	1
3	22	PAHZZ	5355-00-726-2704	M023	76487	SHAFT	EA	2
3	23	PAHZZ	5995-00-928-2871	32113870	20183	LEAD ASSEMBLY,HIGH VOLTAGE	EA	1
3	24	XDHZZ		32113754	20183	SHIELD ASSEMBLY	EA	1
3	25	PAHZZ	5950-00-493-5779	X2090-PLS6	71279	INDUCTOR,VARIABLE	EA	2
3	26	PAHZZ	5935-00-240-8166	CMG492005	71785	SOCKET,CRT	EA	1
3	27	PAHZZ	5935-00-642-4901	MS3102E14S7P	96906	CONNECTOR,RECEPTACLE,ELECTRICAL	EA	1
3	28	PAHZZ	5960-00-269-3023	32114620	20183	CLAMP ASSEMBLY 3F3	EA	1
3	29	PAHZZ	5961-00-882-8681	2N1546	80131	TRANSISTOR	EA	1
3	30	PAHZZ	5920-00-450-8063	342012	75915	HOLDER,FUSE	EA	2
3	31	PAHZZ	5960-00-882-8673	4QP31	93346	ELECTRON TUBE	EA	1

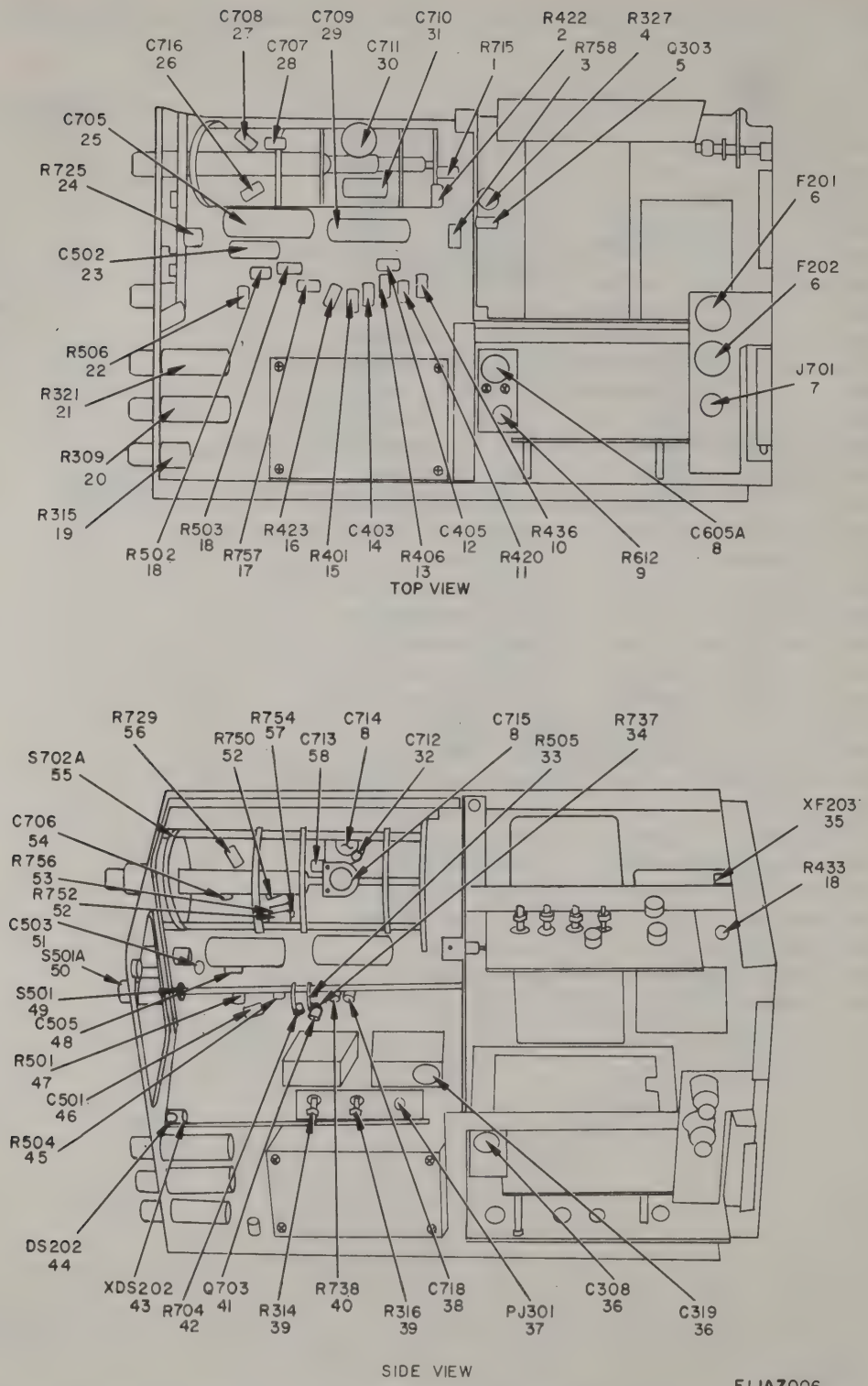
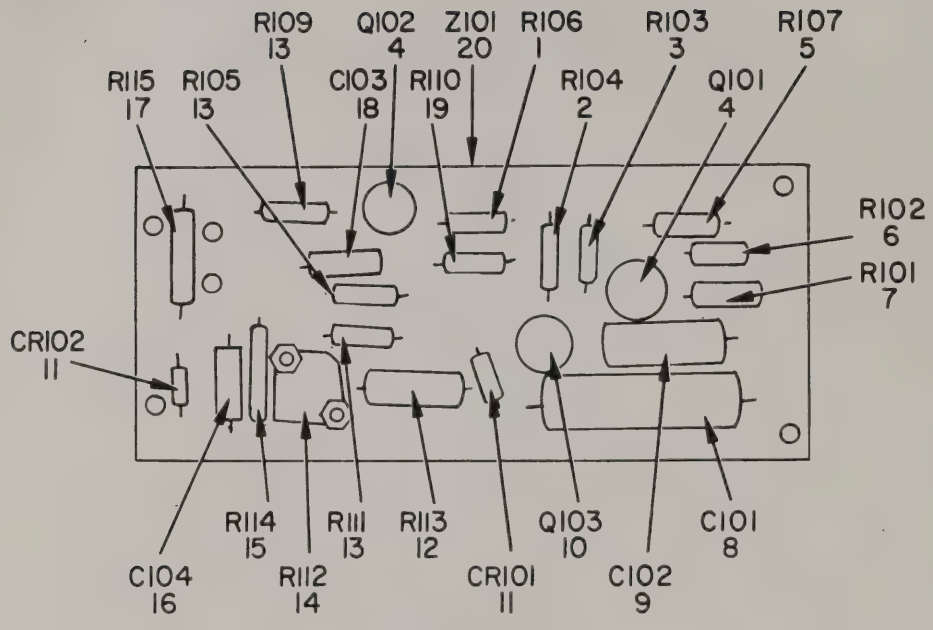


Figure 4. Oscilloscope Assembly OS-106()/USM-117, Chassis Assembly, Top and Side Views.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U M	(8) QTY INC IN UNIT
4	1	PAHZZ	5905-00-577-1761	RV6NAYSD102A	81349	RESISTOR,VARIABLE 3FN	EA	1
4	1	XDHZZ		GA2G040S102MA	01121	RESISTOR,VARIABLE 3F3	EA	1
4	2	PAHZZ	5905-00-190-8883	RC20GF100J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	3	PAHZZ	5905-00-279-1890	RC20GF391J	81349	RESISTOR,FIXED,COMPOSITION 3F3	EA	1
4	4	PAHZZ	5905-00-642-1977	RW55G121	81349	RESISTOR,FIXED,WIRE WOUND	EA	1
4	5	PAHZZ	5961-00-882-8681	2N1546	80131	TRANSISTOR	EA	1
4	6	PAOZZ	5920-00-280-8344	F02GR500A	81349	FUSE,CARTRIDGE	EA	2
4	7	PAHZZ	5935-00-552-7660	UG625BU	80058	CONNECTOR,RECEPTACLE,ELECTRICAL	EA	1
4	8	PAHZZ	5910-00-668-4582	CV11D450	81349	CAPACITOR,VARIABLE,CERAMIC	EA	3
4	9	XDHZZ		RV6LAXSA2518	81349	RESISTOR,VARIABLE,COMPOSITION	EA	1
4	10	PAHZZ	5905-00-279-2519	RC20GF334J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	11	PAHZZ	5905-00-279-3513	RC20GF221J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	12	PAHZZ	5910-00-722-3539	CC21CK020C	81349	CAPACITOR,FIXED,CERAMIC	EA	1
4	13	PAHZZ	5905-00-552-6017	RN75B1103F	81349	RESISTOR,FIXED,FILM	EA	1
4	14	XDHZZ		CC21CK050C	81349	CAPACITOR,FIXED,CERAMIC	EA	1
4	15	PAHZZ	5905-00-192-4490	RC20GF330J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	16	PAHZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	17	PAHZZ	5905-00-171-1999	RC20GF821J	81349	RESISTOR,FIXED,COMPOSITION 3F3	EA	1
4	18	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	3
4	19	XDHZZ		GA2N040S104MA	01121	RESISTOR,VARIABLE	EA	1
4	20	PAHZZ	5905-00-702-0589	GA2G028S504MA	01121	RESISTOR,VARIABLE,COMPOSITION	EA	1
4	21	XDHZZ		GA2G028S255MA	01121	RESISTOR,VARIABLE,COMPOSITION	EA	1
4	22	PAHZZ	5905-00-279-3494	RC20GF823J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	23	PAHZZ	5910-00-543-9502	CP05A1KF104K3	81349	CAPACITOR,FIXED,PAPER	EA	1
4	24	PAHZZ	5905-00-542-9605	RV6NAYSD103A	81349	RESISTOR,VARIABLE 3FN	EA	1
4	24	XDHZZ		GA1N040S103UA	01121	RESISTOR,VARIABLE 3F3	EA	1
4	25	PAHZZ	5910-00-883-0064	E2462	72699	CAPACITOR,FIXED,MYLAR	EA	1
4	26	PAHZZ	5910-00-814-2691	CM15D511JN3	81349	CAPACITOR,FIXED,MICA	EA	1
4	27	PAHZZ	5910-00-061-1337	MCP04A1KB222K	72699	CAPACITOR,FIXED,PAPER	EA	1
4	28	XDHZZ		MCP04A1KB223K	72699	CAPACITOR,FIXED,PAPER	EA	1
4	29	PAHZZ	5910-00-882-9250	E2461	72699	CAPACITOR,FIXED,MYLAR	EA	1
4	30	PAHZZ	5910-00-882-9247	MH2002-5X1Y	72699	CAPACITOR,FIXED,CERAMIC	EA	1
4	31	PAHZZ	5910-00-892-7704	MH2003-5X1Y	72699	CAPACITOR,FIXED,MYLAR	EA	1
4	32	PAHZZ	5910-00-882-9249	MH2001-5X1Y	72699	CAPACITOR,FIXED,MYLAR	EA	1
4	33	XDHZZ		GA2G040S104MA	01121	RESISTOR,VARIABLE,COMPOSITION	EA	1
4	34	PAHZZ	5905-00-195-6761	RC20GF104J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	35	XDHZZ		3023-2	71400	HOLDER,FUSE	EA	1
4	36	XDHZZ		CP5381FG254K1	81349	CAPACITOR,FIXED,PAPER	EA	2
4	37	PAHZZ	5935-00-201-9490	225-2	74868	JACK,TIP	EA	1
4	38	PAHZZ	5910-00-838-9421	CK60AW102M	81349	CAPACITOR,FIXED,CERAMIC	EA	1

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
4	39	PAHZZ	5905-00-577-0437	RV6LAXSA104B	81349	RESISTOR,VARIABLE,COMPOSITION	EA	2
4	40	PAHZZ	5905-00-279-1757	RC20GF152J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	41	PAHZZ	5961-00-842-6937	2N706	81349	TRANSISTOR	EA	1
4	42	PAHZZ	5905-00-279-3506	RC20GF332J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	43	PAHZZ	6250-00-283-9741	MS90282-3	96906	LAMPHOLDER	EA	1
4	44	PAOZZ	6240-00-155-7810	52E312	01364	LAMP,INCANDESCENT	EA	1
4	45	PAHZZ	5905-00-279-3500	RC20GF183J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	46	PAHZZ	5910-00-833-8298	CM15CD100J03	81349	CAPACITOR,FIXED,MICA	EA	1
4	47	PAHZZ	5905-00-713-2500	RN70D9762F	81349	RESISTOR,FIXED,FILM	EA	1
4	48	XDHZZ		C512AF4R7K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
4	49	PAHZZ	5930-00-954-0408	32113112	20183	SWITCH,ROTARY	EA	1
4	50	XDHZZ		32113714	20183	SWITCH ASSEMBLY	EA	1
4	51	PAHZZ	5910-00-822-5683	CK63AW103M	81349	CAPACITOR,FIXED,CERAMIC	EA	1
4	52	PAHZZ	5905-00-892-7282	RN65D4993F	81349	RESISTOR,FIXED,FILM	EA	2
4	53	PAHZZ	5905-00-062-6662	RN65D5622F	81349	RESISTOR,FIXED,FILM	EA	1
4	54	PAHZZ	5910-00-892-7597	MCH08A1EA224K	72699	CAPACITOR,FIXED,PAPER	EA	1
4	55	XDHZZ		32113716	20183	SWITCH ASSEMBLY	EA	1
4	56	PAHZZ	5905-00-279-2515	RC20GF474J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
4	57	PAHZZ	5905-00-080-3914	RN65D1213F	81349	RESISTOR,FIXED,FILM	EA	1
4	58	PAHZZ	5910-00-950-6428	CM15FD181GP3	81349	CAPACITOR,FIXED,MICA	EA	1



ELIAZ007

Figure 5. Oscilloscope Assembly OS-106( )/USM-117, Calibrator, Printed Board Assembly Z101.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
5	1	PAHZZ	5905-00-106-9344	RCR20G101JS	81349	RESISTOR,FIXED,COMPOSITION	EA	1
5	2	PAHZZ	5905-00-171-2006	RC20GF271J	81349	RESISTOR,FIXED,COMPSOITION	EA	1
5	3	PAHZZ	5905-00-192-3971	RC20GF331J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
5	4	PAHZZ	5961-00-826-0799	2N1304	01295	TRANSISTOR	EA	1
5	5	PAHZZ	5905-00-252-5434	RC20GF121J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
5	6	PAHZZ	5905-00-190-8880	RC20GF122J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
5	7	PAHZZ	5905-00-279-3497	RC20GF393J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
5	8	PAHZZ	5910-00-879-4759	MCH08A1EA105K	72699	CAPACITOR,FIXED,PAPER	EA	1
5	9	PAHZZ	5910-00-892-7597	MCH08A1EA224K	72699	CAPACITOR,FIXED,PAPER	EA	1
5	10	PAHZZ	5961-00-752-5362	2N388	81349	TRANSISTOR	EA	1
5	11	PAHZZ	5961-00-999-4566	1N914	01295	SEMICONDUCTOR DEVICE,DIODE	EA	2
5	12	PAHZZ	5905-00-087-0587	RN70D4991F	81349	RESISTOR,FIXED,FILM	EA	1
5	13	PAHZZ	5905-00-279-1757	RC20GF152J	81349	RESISTOR,FIXED,COMPOSITION	EA	3
5	14	PAHZZ	5905-00-892-6526	32113570	20183	RESISTOR,VARIABLE,COMPOSITION	EA	1
5	15	XDHZZ		RN65D9000F	81349	RESISTOR,FIXED,FILM	EA	1
5	16	PAHZZ	5910-00-823-1808	CM15C201JN3	81349	CAPACITOR,FIXED,MICA	EA	1
5	17	PAHZZ	5905-00-811-4821	RN65D1000F	81349	RESISTOR,FIXED,FILM	EA	1
5	18	PAHZZ	5910-00-833-9542	CM15D331JN3	81349	CAPACITOR,FIXED,MICA	EA	1
5	19	PAHZZ	5905-00-192-3973	RC20GF471J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
5	20	XDHHH		32113691	20183	PRINTED BOARD ASSEMBLY	EA	1

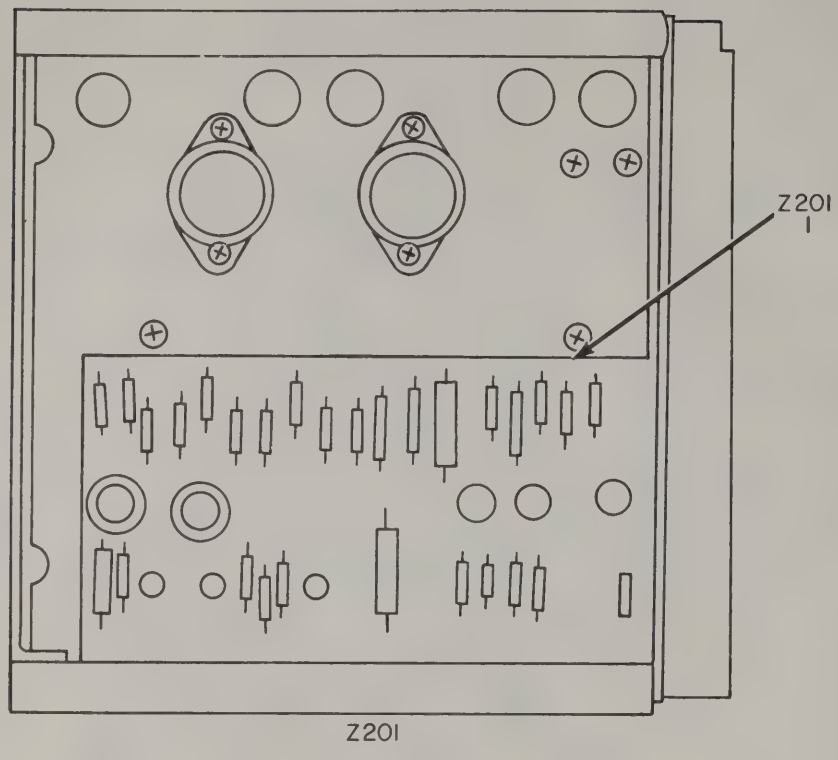
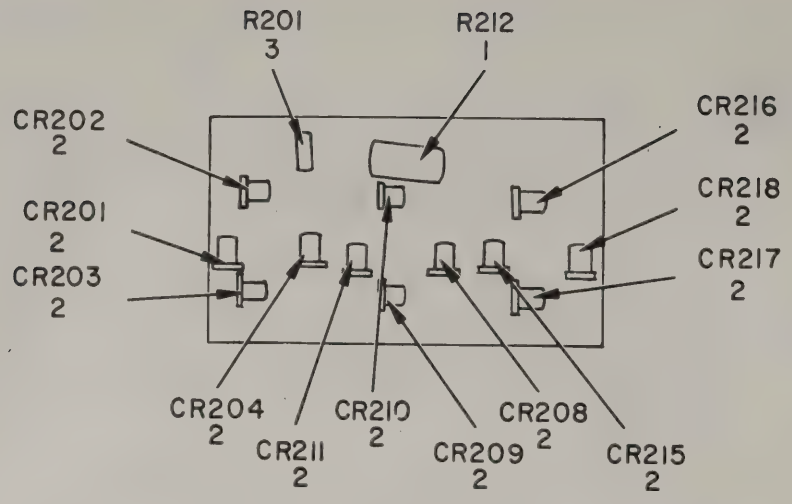
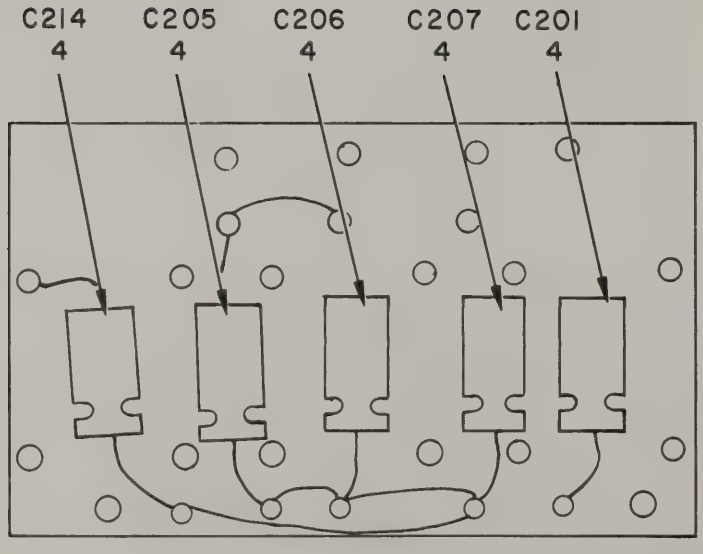


Figure 6. Oscilloscope Assembly OS-106 ( )/USM-117, Low Voltage Power Supply, Circuit Boards, Z201 and TB201.

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION *USABLE ON CODE*	(7) U/M	(8) QTY INC IN UNIT
6	1	XDHHH		32113683	93346	BOARD ASSEMBLY,REGULATOR	EA	1
6	2	XDHHH		32113677	20183	TERMINAL BOARD ASSEMBLY	EA	1



FRONT VIEW



REAR VIEW

ELIAZ009

Figure 7. Oscilloscope Assembly OS-106 ( )/USM-117, Terminal Board TB201.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
7	1	PAHZZ	5905-00-279-1579	RC42GF101J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
7	2	PAHZZ	5961-00-519-6977	1N538	01295	SEMICONDUCTOR DEVICE,DIODE	EA	12
7	3	PAHZZ	5905-00-190-8883	RC20GF100J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
7	4	XDHZZ		CL64BJ6G0TP3	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	5

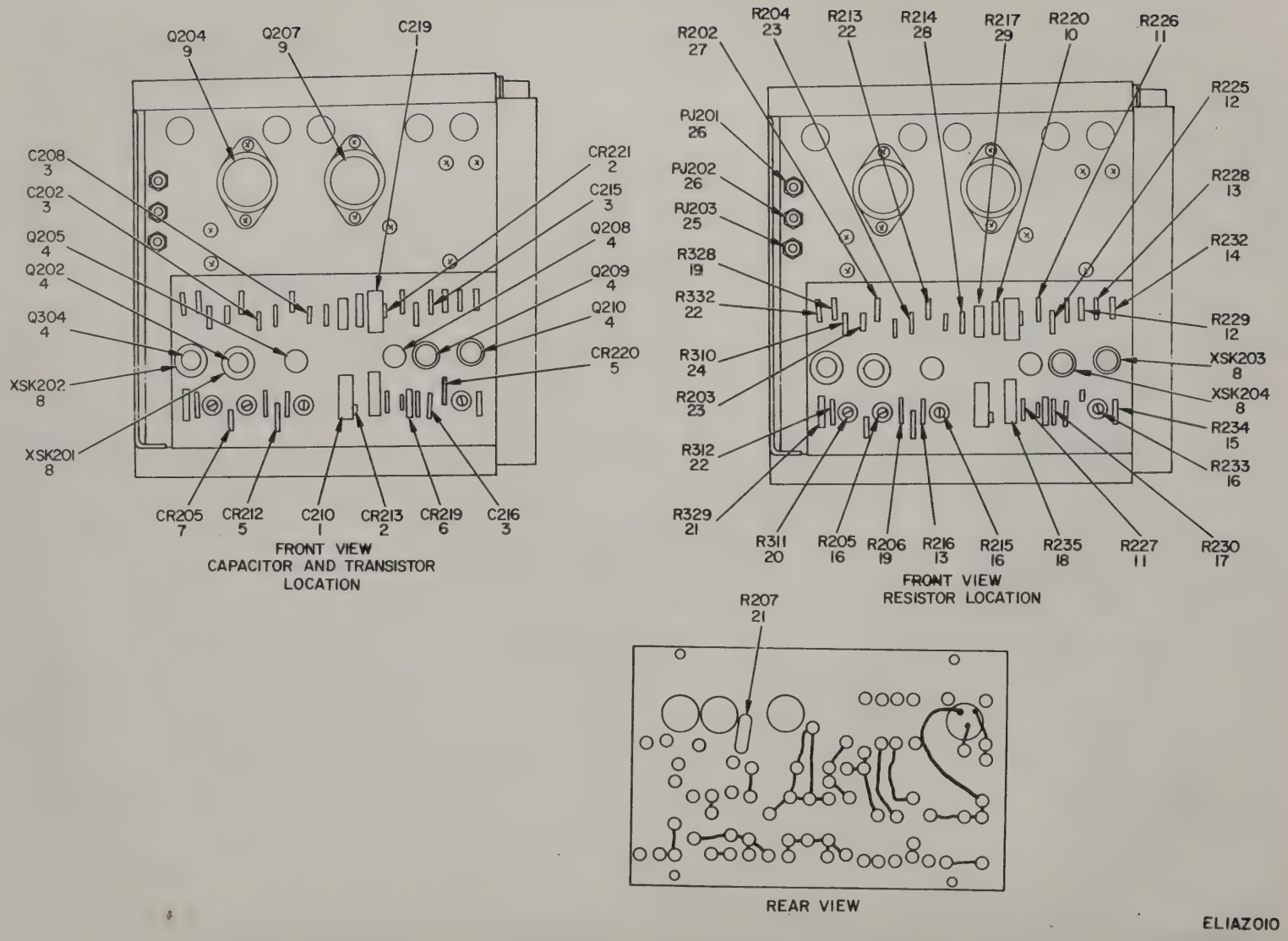
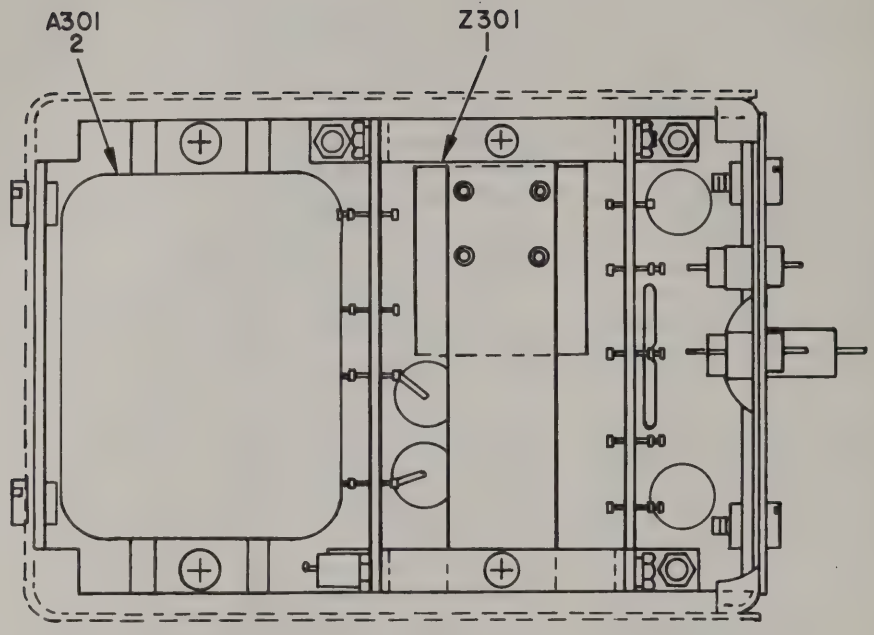


Figure 8. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Circuit Board Z201.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
8	1	XOHZZ		CS13AB331M	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	2
8	2	PAHZZ	5961-00-951-2140	1N751A	01295	SEMICONDUCTOR DEVICE,DIODE	EA	2
8	3	PAHZZ	5910-00-787-2109	CS13BF105K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	4
8	4	PAHZZ	5961-00-853-1079	2N1305	81349	TRANSISTOR	EA	6
8	5	PAHZZ	5961-00-995-2310	VBE890-1N752A	81349	SEMICONDUCTOR DEVICE,DIODE	EA	2
8	6	PAHZZ	5961-00-845-6458	1N756A	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
8	7	PAHZZ	5961-00-892-0919	1N3050B	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
8	8	PAHZZ	5999-00-917-3030	6025-4	08730	HEAT SINK	EA	4
8	9	PAHZZ	5961-00-882-8681	2N1546	80131	TRANSISTOR	EA	2
8	10	PAHZZ	5905-00-443-7796	RCR32G241JS	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	11	PAHZZ	5905-00-279-1876	RC20GF222J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
8	12	PAHZZ	5905-00-299-1971	RC20GF822J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
8	13	PAHZZ	5905-00-279-1880	RC20GF272J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
8	14	PAHZZ	5905-00-279-1877	RC20GF242J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	15	PAHZZ	5905-00-192-3971	RC20GF331J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	16	PAHZZ	5905-00-486-6763	RV6TAYSA102A	81349	RESISTOR,VARIABLE,COMPOSITION	EA	3
8	17	PAHZZ	5905-00-190-6887	RC20GF202J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	18	PAHZZ	5905-00-279-2642	RC32GF391J	81349	RESISTOR,FIXED,COMPOSITION 3FN	EA	1
8	18	PAHZZ	5905-00-279-2626	RC32GF681J	81349	RESISTOR,FIXED,COMPOSITION 3F3	EA	1
8	19	PAHZZ	5905-00-279-3503	RC20GF602J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
8	20	PAHZZ	5905-00-556-4086	RV6LAXSA503A	81349	RESISTOR,VARIABLE,COMPOSITION	EA	1
8	21	PAHZZ	5905-00-856-6106	TM1-4-1000OHM	01295	SENSISTOR	EA	2
8	22	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	3
8	23	PAHZZ	5905-00-279-3506	RC20GF332J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
8	24	PAHZZ	5905-00-279-2514	RC20GF564J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	25	PAHZZ	5935-00-258-1194	19175-1	74868	JACK,TIP	EA	1
8	26	PAHZZ	5935-00-201-9490	225-2	74868	JACK,TIP	EA	2
8	27	PAHZZ	5905-00-279-3504	RC20GF472J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	28	PAHZZ	5905-00-279-1761	RC20GF621J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
8	29	PAHZZ	5905-00-056-7817	TM1-4-8200HM	01295	SENSISTOR	EA	1



ELIAZ011

Figure 9. Oscilloscope Assembly OS-106 ( )/USM-117, High Voltage Power Supply.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
9	1	PAHHH	6625-00-818-1602	32113686	20183	PRINTED BOARD ASSEMBLY	EA	1
9	2	PAHHH	6130-00-818-1428	32113673	93346	HIGH VOLTAGE ASSEMBLY	EA	1

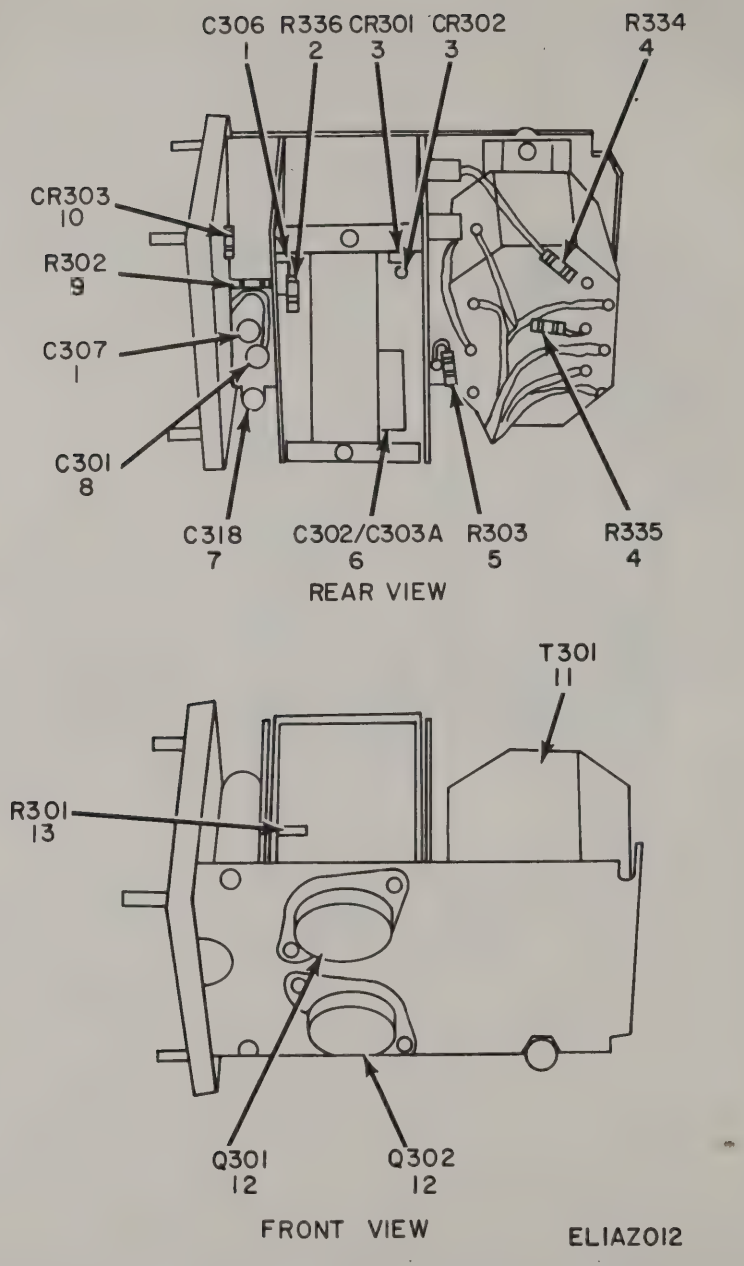


Figure 10. Oscilloscope Assembly OS-106 ( )/USM-117, High Voltage Assembly A301.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
10	1	PAHZZ	5910-00-917-8509	32113881	20183	CAPACITOR,FIXED,CERAMIC	EA	2
10	2	PAHZZ	5905-00-279-1761	RC20GF621J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
10	3	PAHZZ	5961-00-947-5759	JAN1N1734A	81349	SEMICONDUCTOR DEVICE,DIODE	EA	2
10	4	PAHZZ	5905-00-190-8683	RC20GF100J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
10	5	PAHZZ	5905-00-171-2003	RC20GF204J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
10	6	XDHZZ		32115538	20183	CAPACITOR,BOARD ASSEMBLY	EA	1
10	7	XDHZZ		CL64BJ600TP3	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
10	8	PAHZZ	5910-00-787-2109	CS13BF105K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
10	9	PAHZZ	5905-00-279-3503	RC20GF602J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
10	10	PAHZZ	5961-00-582-1181	1N1731A	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
10	11	PAHZZ	5950-00-966-9406	32113465	20183	TRANSFORMER,HIGH VOLTAGE	EA	1
10	12	PAHZZ	5961-00-882-8680	2N1547	80131	TRANSISTOR	EA	2
10	13	PAHZZ	5905-00-279-3513	RC20GF221J	81349	RESISTOR,FIXED,COMPOSITION	EA	1

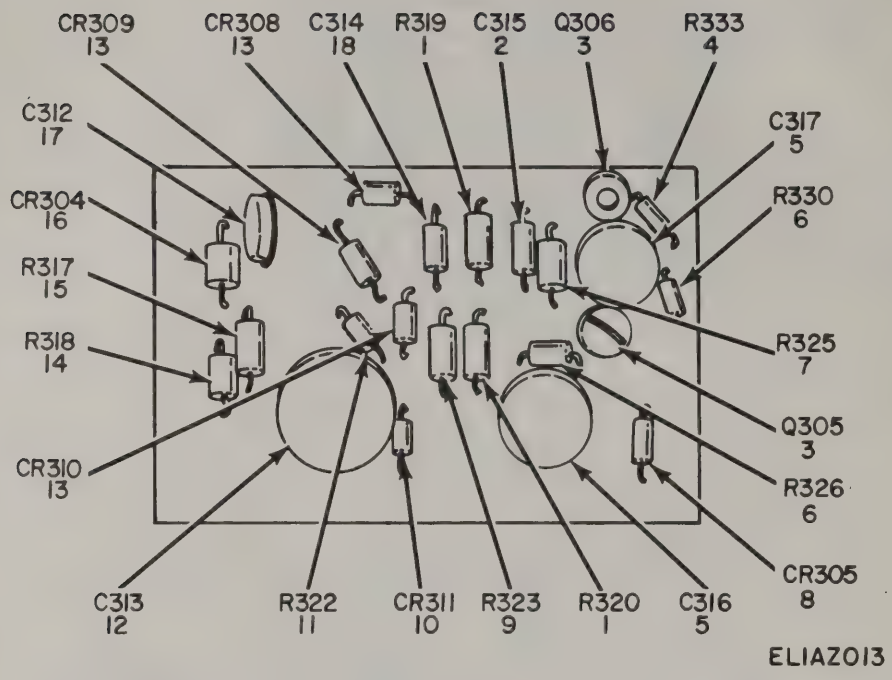
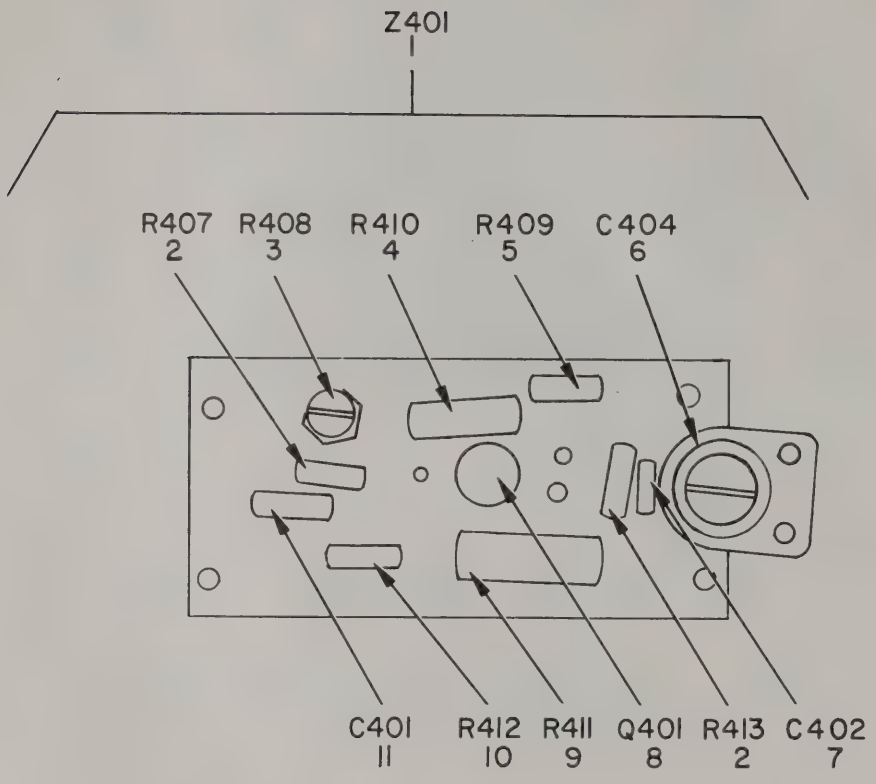


Figure 11. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly Z301.

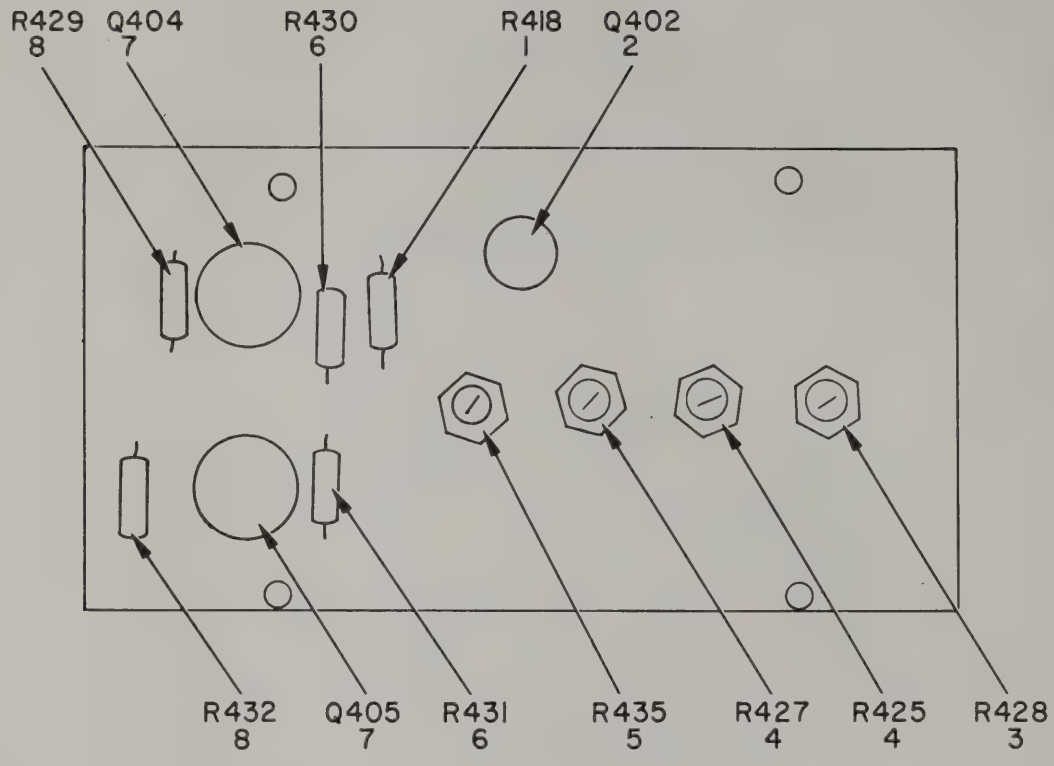
(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
11	1	PAHZZ	5905-00-185-8490	RC20GF475J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
11	2	PAHZZ	5910-00-850-0540	CM15FD510G03	81349	CAPACITOR,FIXED,MICA	EA	1
11	3	PAHZZ	5961-00-882-8677	2N1226	80131	TRANSISTOR	EA	2
11	4	PAHZZ	5905-00-106-9344	RCR20G101JS	81349	RESISTOR,FIXED,COMPOSITION	EA	1
11	5	PAHZZ	5910-00-822-5683	CK63AW103M	81349	CAPACITOR,FIXED,CERAMIC	EA	2
11	6	PAHZZ	5905-00-279-3502	RC20GF123J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
11	7	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
11	8	PAHZZ	5961-00-999-4566	1N914	01295	SEMICONDUCTOR DEVICE,DIODE	EA	1
11	9	PAHZZ	5905-00-192-0390	RC20GF105J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
11	10	PAHZZ	5961-00-828-7481	1N992B	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
11	11	PAHZZ	5905-00-192-0667	RC20GF224J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
11	12	PAHZZ	5910-00-917-8509	32113881	20183	CAPACITOR,FIXED,CERAMIC	EA	1
11	13	PAHZZ	5961-00-850-9559	JAN1N989B	81349	SEMICONDUCTOR DEVICE,DIODE	EA	3
11	14	PAHZZ	5905-00-195-6761	RC20GF104J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
11	15	PAHZZ	5905-00-171-2004	RC20GF223J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
11	16	PAHZZ	5961-00-843-9086	1N3051B	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
11	17	PAHZZ	5910-00-984-8373	CM15FD101GP3	81349	CAPACITOR,FIXED,MICA	EA	1
11	18	PAHZZ	5910-00-912-4860	32115559	20183	CAPACITOR,FIXED,CERAMIC	EA	1



ELIAZ014

Figure 12. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly Z401.

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
12	1	PAHHH	6625-00-818-1607	32113692	20183	PRINTED BOARD ASSEMBLY	EA	1
12	2	PAHZZ	5905-00-252-4018	RC20GF470J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
12	3	PAHZZ	5905-00-258-4912	BA99380ISSUE2DET6	70408	RESISTOR,VARIABLE,COMPOSITION	EA	1
12	4	PAHZZ	5905-00-856-6105	TM1-4-1500CHM	01295	SENSISTOR	EA	1
12	5	PAHZZ	5905-00-279-1878	RC20GF243J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
12	6	PAHZZ	5910-00-668-4582	CV11D450	81349	CAPACITOR,VARIABLE,CERAMIC	EA	1
12	7	PAHZZ	5910-00-787-2109	CS13BF105K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
12	8	PAHZZ	5961-00-754-8704	2N337	81349	TRANSISTOR	EA	1
12	9	PAHZZ	5905-00-078-7456	RN70D2212F	81349	RESISTOR,FIXED,FILM	EA	1
12	10	PAHZZ	5905-00-299-1971	RC20GF822J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
12	11	XDHZZ		C512AF4R7K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1



ELIAZ015

Figure 13. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly Z402.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
13	1	PAHZZ	5905-00-299-1971	RC20GF822J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
13	2	PAHZZ	5961-00-826-0799	2N1304	01295	TRANSISTOR	EA	1
13	3	PAHZZ	5905-00-665-4347	RV6LAYSA501A	81349	RESISTOR,VARIABLE,COMPOSITION	EA	1
13	4	PAHZZ	5905-00-486-6763	RV6TAYSA102A	81349	RESISTOR,VARIABLE,COMPOSITION	EA	2
13	5	PAHZZ	5905-00-258-4912	BA99380ISSUE2DET6	70408	RESISTOR,VARIABLE,COMPOSITION	EA	1
13	6	PAHZZ	5905-00-279-3504	RC20GF472J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
13	7	PAHZZ	5961-00-882-8677	2N1226	80131	TRANSISTOR	EA	2
13	8	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	2

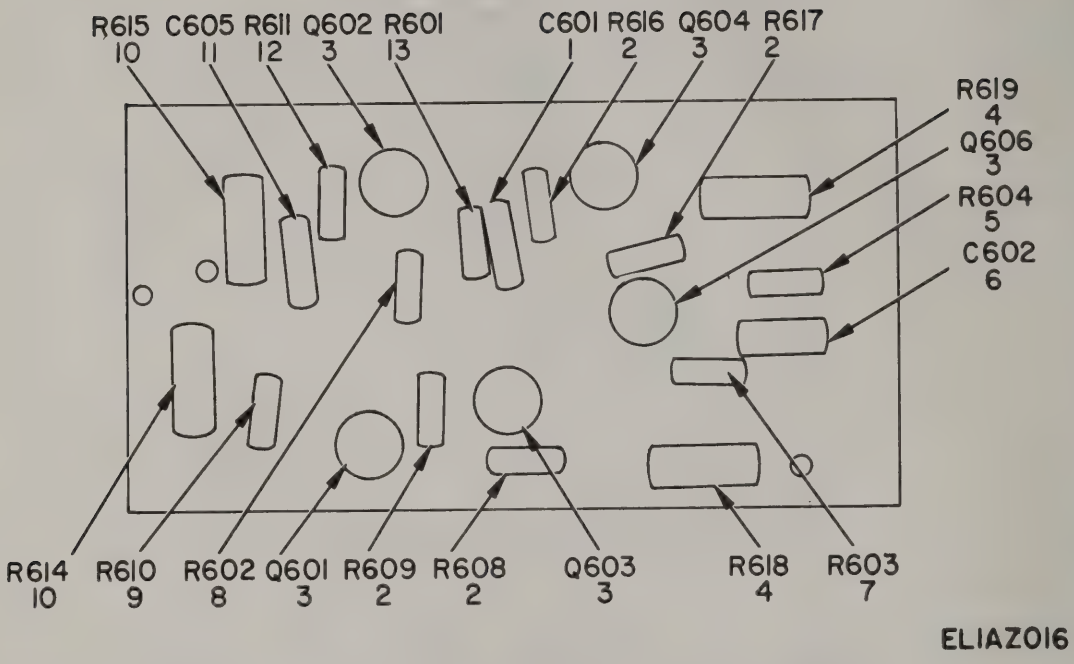


Figure 14. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly Z601.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
14	1	XDHZZ		CM15C620JN3	81349	CAPACITOR,FIXED,MICA	EA	1
14	2	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	4
14	3	PAHZZ	5961-00-882-4244	JAN2N1225	81349	TRANSISTOR	EA	5
14	4	PAHZZ	5905-00-299-2040	RC32GF472J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
14	5	PAHZZ	5905-00-106-9344	RCR20G101JS	81349	RESISTOR,FIXED,COMPOSITION	EA	1
14	6	PAHZZ	5910-00-815-9536	CM15D301JN3	81349	CAPACITOR,FIXED,MICA	EA	1
14	7	PAHZZ	5905-00-279-1880	RC20GF272J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
14	8	PAHZZ	5905-00-249-4256	RC20GF363J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
14	9	PAHZZ	5905-00-192-3973	RC20GF471J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
14	10	PAHZZ	5905-00-279-2591	RC32GF512J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
14	11	PAHZZ	5910-00-850-0540	CM15FD510G03	81349	CAPACITOR,FIXED,MICA DIELECTRIC	EA	1
14	12	PAHZZ	5905-00-171-2006	RC20GF271J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
14	13	PAHZZ	5905-00-279-2019	RC20GF512J	81349	RESISTOR,FIXED,COMPOSITION	EA	1

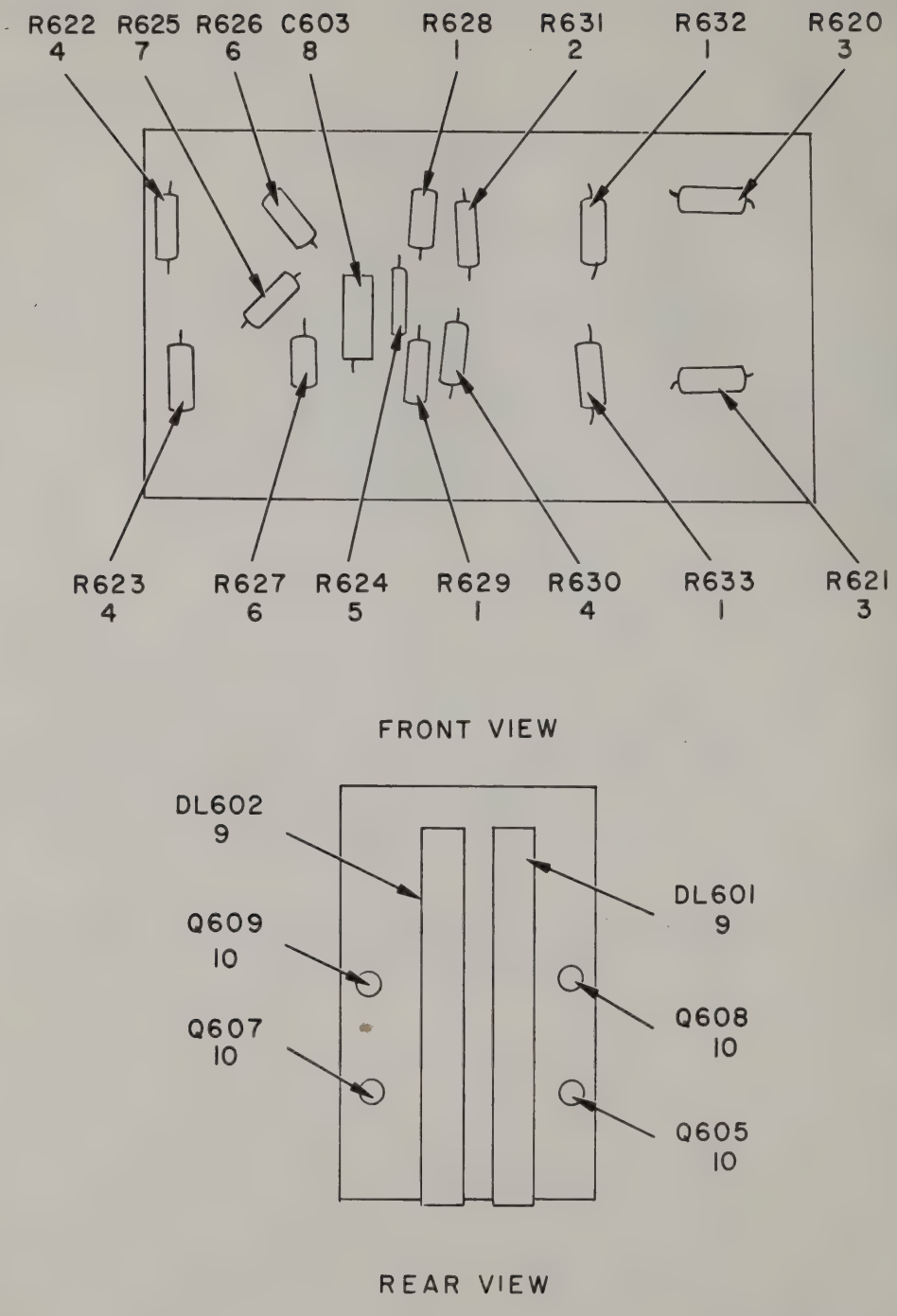


Figure 15. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly DL603.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
15	1	PAHZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR,FIXED,COMPOSITION	EA	4
15	2	PAHZZ	5905-00-279-1757	RC20GF152J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
15	3	PAHZZ	5905-00-171-2006	RC20GF271J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
15	4	PAHZZ	5905-00-192-3971	RC20GF331J	81349	RESISTOR,FIXED,COMPOSITION	EA	3
15	5	PAHZZ	5905-00-106-9344	RCR20G101JS	81349	RESISTOR,FIXED,COMPOSITION	EA	1
15	6	PAHZZ	5905-00-279-2593	RC20GF241J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
15	7	PAHZZ	5905-00-190-8881	RC20GF182J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
15	8	PAHZZ	5910-00-823-1204	CM15C820JN3	81349	CAPACITOR,FIXED,MICA	EA	1
15	9	PAHZZ	6625-00-856-2998	C25ETS330-10	90095	DELAY LINE	EA	2
15	10	PAHZZ	5961-00-811-4707	2N705	80131	TRANSISTOR	EA	4

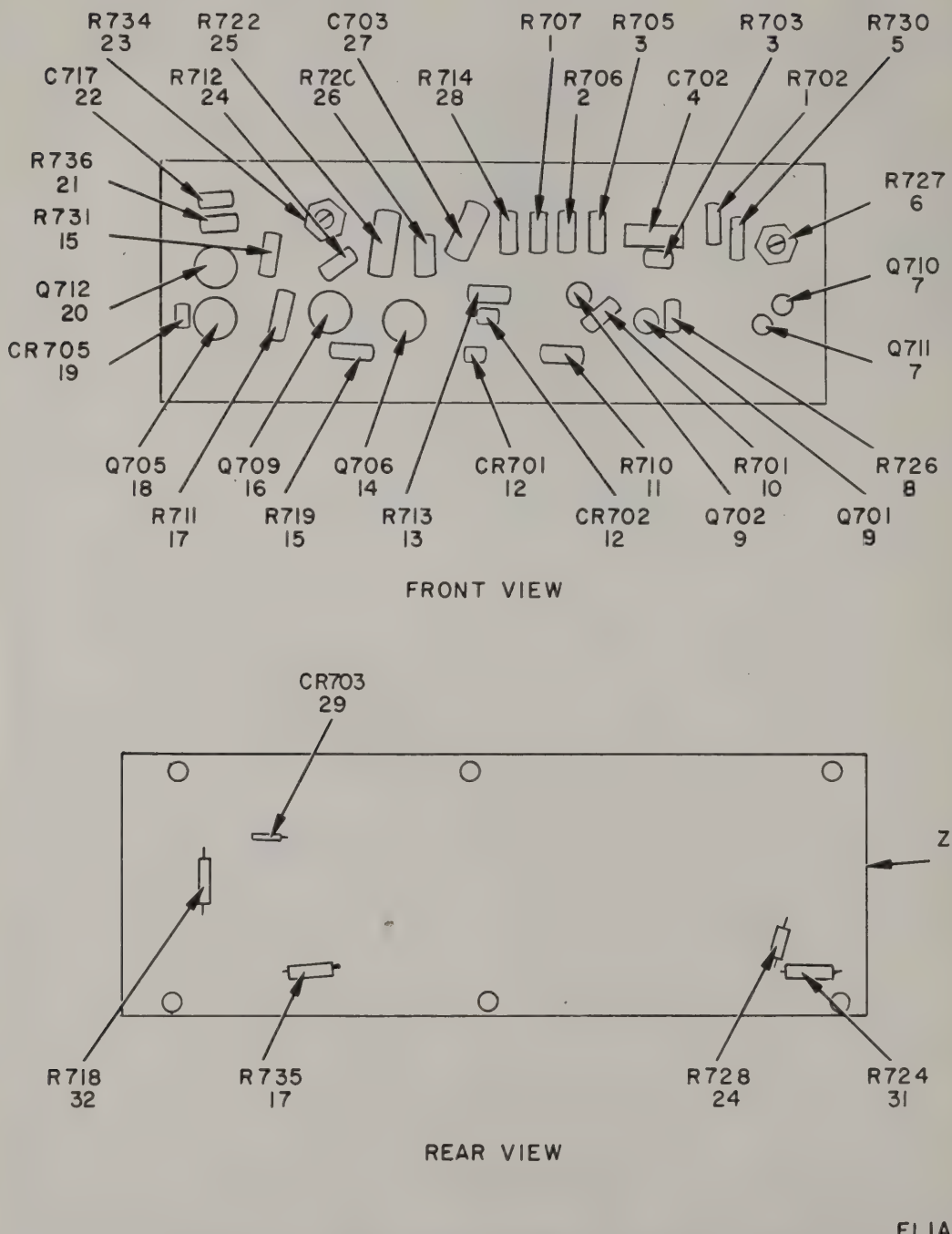


Figure 16. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly Z701.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
16	1	PAHZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
16	2	PAHZZ	5905-00-279-2616	RC20GF153J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	3	PAHZZ	5905-00-279-2673	RC20GF622J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
16	4	PAHZZ	5910-00-984-8373	CM15FD101GP3	81349	CAPACITOR,FIXED,MICA	EA	1
16	5	PAHZZ	5905-00-185-8490	RC20GF475J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	6	XDHZZ		RV6LAXSA252B	81349	RESISTOR,VARIABLE,COMPOSITION	EA	1
16	7	PAHZZ	5961-00-882-8676	2N863	80131	TRANSISTOR	EA	2
16	8	PAHZZ	5905-00-254-7087	RC20GF683K	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	9	PAHZZ	5961-00-811-4707	2N705	80131	TRANSISTOR	EA	2
16	10	PAHZZ	5905-00-279-3503	RC20GF602J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	11	PAHZZ	5905-00-279-3500	RC20GF183J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	12	PAHZZ	5961-00-995-4566	1N914	01295	SEMICONDUCTOR DEVICE,DIODE 3FN	EA	2
16	13	PAHZZ	5905-00-256-0410	RC20GF181K	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	14	PAHZZ	5961-00-938-1460	2N338	01295	TRANSISTOR	EA	1
16	15	PAHZZ	5905-00-254-9201	RC20GF473J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
16	16	PAHZZ	5961-00-851-5923	2N1309	81349	TRANSISTOR	EA	1
16	17	PAHZZ	5905-00-279-3504	RC20GF472J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
16	18	PAHZZ	5961-00-882-4244	JAN2N1225	81349	TRANSISTOR	EA	1
16	19	PAHZZ	5961-00-752-5351	JAN1N643	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
16	20	PAHZZ	5961-00-813-7283	2N1307	01295	TRANSISTOR	EA	1
16	21	PAHZZ	5905-00-252-4018	RC20GF470J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	22	PAHZZ	5910-00-064-8379	CSR13G473KM	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
16	23	PAHZZ	5905-00-577-0436	RV6LAXSA103B	81349	RESISTOR,VARIABLE,COMPOSITION	EA	1
16	24	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
16	25	PAHZZ	5905-00-299-2030	RC32GF123J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	26	PAHZZ	5905-00-279-3505	RC20GF392J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	27	XDHZZ		CC21CK050C	81349	CAPACITOR,FIXED,CERAMIC	EA	1
16	28	PAHZZ	5905-00-275-1890	RC20GF391J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	29	PAHZZ	5961-00-995-2310	VBE890-1N752A	81349	SEMICONDUCTOR DEVICE,DIODE	EA	1
16	30	XDHHH		32113687	20183	PRINTED BOARD ASSEMBLY	EA	1
16	31	PAHZZ	5905-00-279-3506	RC20GF332J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
16	32	PAHZZ	5905-00-195-6761	RC20GF104J	81349	RESISTOR,FIXED,COMPOSITION	EA	1

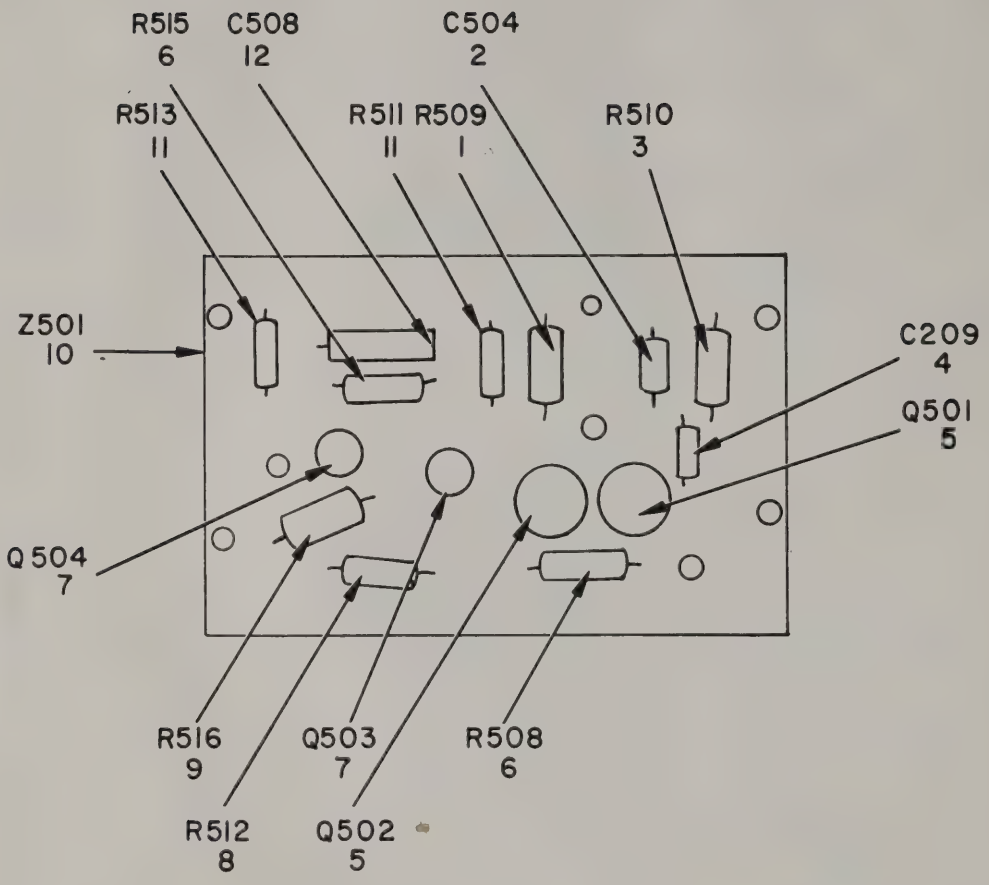


Figure 17. Oscilloscope Assembly OS-106 ( )/USM-117, Printed Board Assembly Z501.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
17	1	PAHZZ	5905-00-279-3504	RC20GF472J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
17	2	PAHZZ	5910-00-064-8379	CSR13G473KM	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
17	3	PAHZZ	5905-00-252-4018	RC20GF470J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
17	4	PAHZZ	5910-00-787-2109	CS13BF105K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
17	5	PAHZZ	5961-00-882-4244	JAN2N1225	81349	TRANSISTOR	EA	2
17	6	PAHZZ	5905-00-185-8510	RC20GF103J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
17	7	PAHZZ	5961-00-811-4707	2N705	80131	TRANSISTOR	EA	2
17	8	PAHZZ	5905-00-279-2616	RC20GF153J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
17	9	PAHZZ	5905-00-171-2004	RC20GF223J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
17	10	PAHHH	6625-00-818-1610	32113688	20183	PRINTED BOARD ASSEMBLY	EA	1
17	11	PAHZZ	5905-00-279-1880	RC20GF272J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
17	12	PAHZZ	5910-00-727-3548	CM15C200JN3	81349	CAPACITOR,FIXED,MICA	EA	1

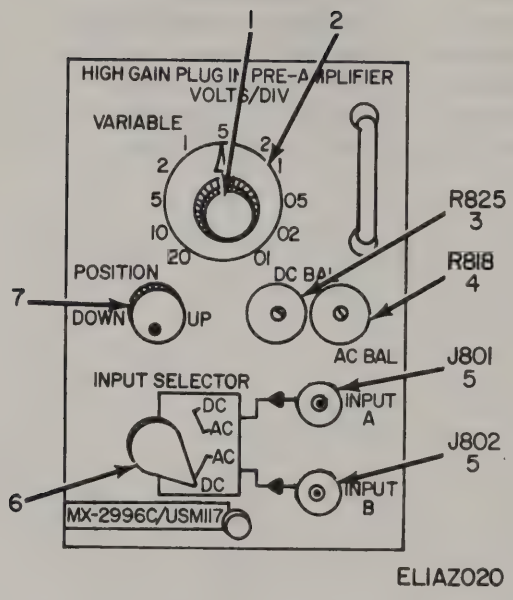
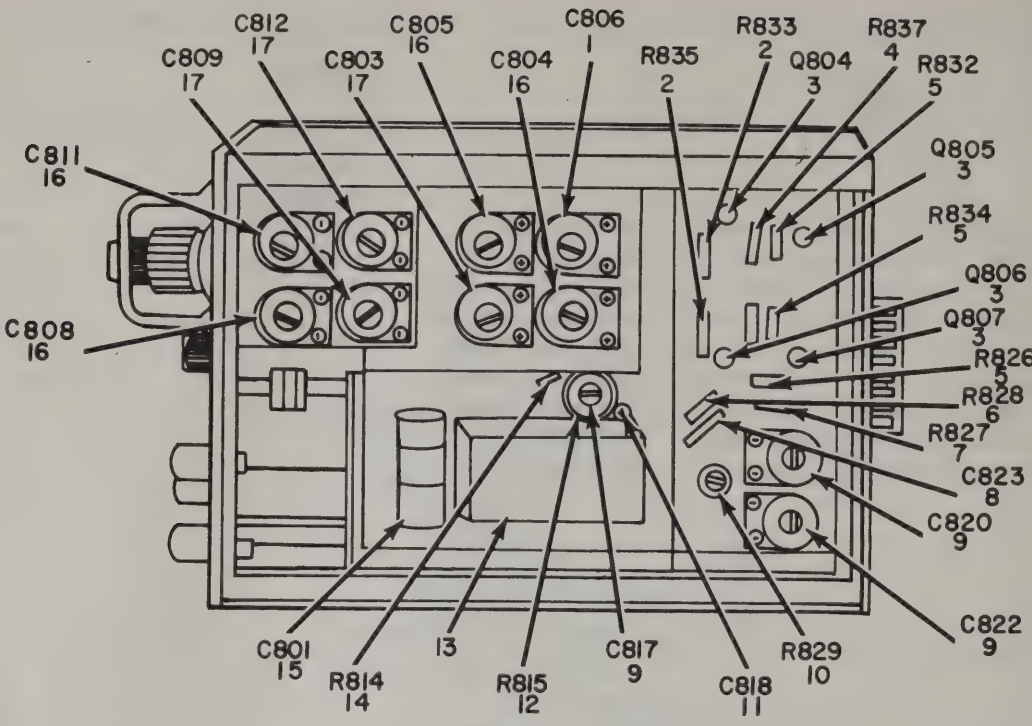


Figure 18. Vertical Plug-in MX2996 ( )/USM-117.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP C2 VERTICAL PLUG-IN		
						MX-2996( )/USM-117		
18	1	PAOZZ	5355-00-725-6095	R50-1WD1G	49956	KNOB	EA	1
18	2	PAOZZ	5355-00-762-1493	70-3C82G	49956	KNOB	EA	1
18	3	PAHZZ	5905-00-542-9605	RV6NAYSD103A	81349	RESISTOR,VARIABLE 3FN	EA	1
18	3	PAHZZ	5905-00-912-2247	GW2N032S103UA	01121	RESISTOR,VARIABLE 3F3	EA	1
18	4	PAHZZ	5905-00-577-3608	RV6NAYSD503A	81349	RESISTOR,VARIABLE 3FN	EA	1
18	4	XDHZZ		GA2N032S503MC	01121	RESISTOR,VARIABLE 3F3	EA	1
18	5	PAHZZ	5935-00-552-7660	UG625BU	80058	CONNECTOR,RECEPTACLE,ELECTRICAL	EA	2
18	6	PAOZZ	5355-00-990-3173	MS91528-0P1B	96906	KNOB	EA	1
18	7	PAOZZ	5355-00-057-7794	50-1WD1G	99687	KNOB	EA	1

91,17



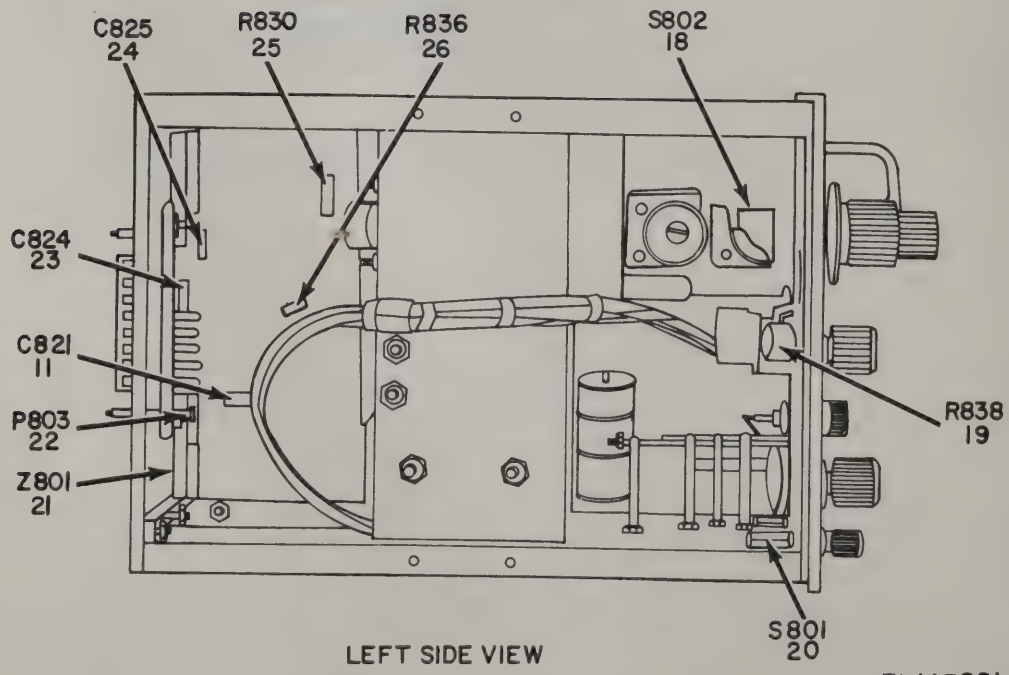
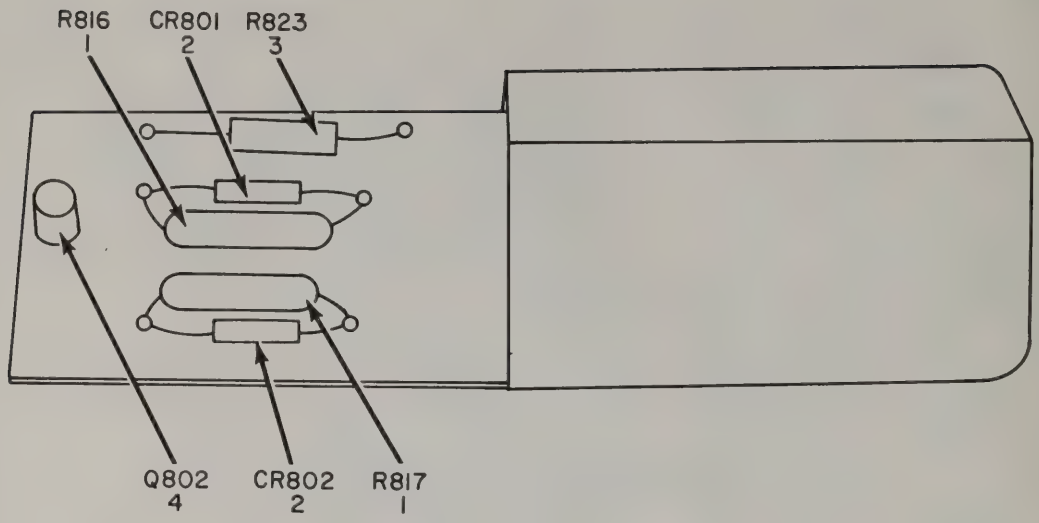
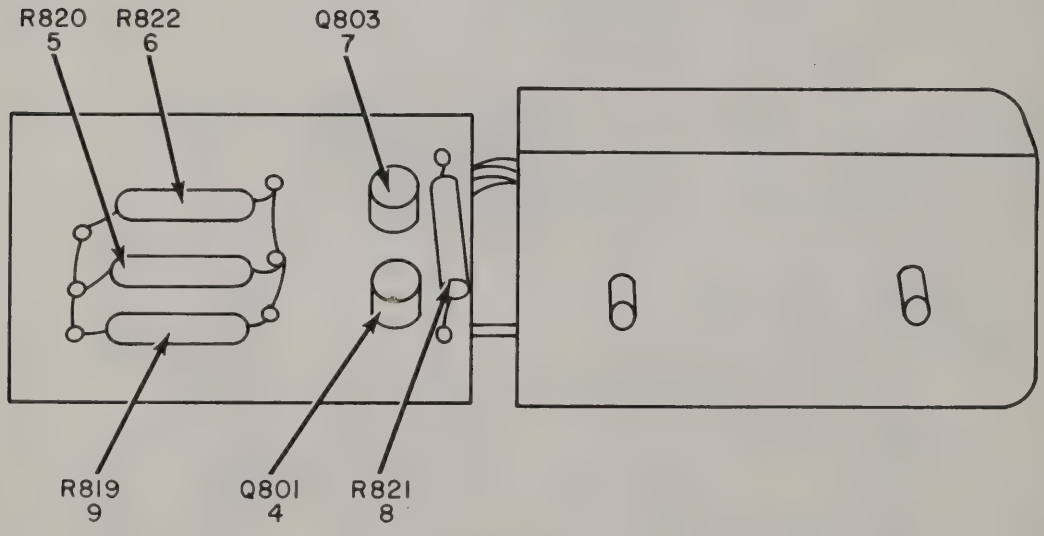


Figure 19. Vertical Plug-in MX2996 ( )/USM-117.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
19	1	PAHZZ	5910-00-543-0833	CV11A120	81349	CAPACITOR,VARIABLE,CERAMIC	EA	1
19	2	PAHZZ	5905-00-279-3504	RC20GF472J	81349	RESISTOR,FIXED,COMPOSITION	EA	2
19	3	PAHZZ	5961-00-811-4787	2N705	80131	TRANSISTOR	EA	4
19	4	PAHZZ	5905-00-299-1971	RC20GF822J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
19	5	PAHZZ	5905-00-195-6806	RC20GF102J	81349	RESISTOR,FIXED,COMPOSITION	EA	3
19	6	PAHZZ	5905-00-171-2006	RC20GF271J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
19	7	PAHZZ	5905-00-190-8881	RC20GF182J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
19	8	PAHZZ	5910-00-C18-0859	MSC148606M	72699	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
19	9	PAHZZ	5910-00-668-4582	CV110450	81349	CAPACITOR,VARIABLE,CERAMIC	EA	3
19	10	PAHZZ	5905-00-486-6763	RV6TAYSA102A	81349	RESISTOR,VARIABLE,COMPOSITION	EA	1
19	11	PAHZZ	5910-00-984-8373	CM15FD101GP3	81349	CAPACITOR,FIXED,MICA	EA	2
19	12	PAHZZ	5905-00-814-3815	RN65D1003F	81349	RESISTOR,FIXED,FILM	EA	1
19	13	PAHHH	6625-00-818-1614	32113699	20183	CAN ASSEMBLY,EMITTER FOLLOWER	EA	1
19	14	PAHZZ	5905-00-279-2665	RC20GF206J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
19	15	PAHZZ	5910-00-543-9502	CP05A1KF104K3	81349	CAPACITOR,FIXED,PAPER	EA	1
19	16	PAHZZ	5910-00-160-1207	CV11D300	81349	CAPACITOR,VARIABLE,CERAMIC	EA	4
19	17	PAHZZ	5910-00-556-9440	CV11A070	81349	CAPACITOR,VARIABLE,CERAMIC	EA	3
19	18	PAHZZ	5930-00-990-7414	32113104	20183	SWITCH,ROTARY	EA	1
19	19	PAHZZ	5905-00-542-9605	RV6NAYSD103A	81349	RESISTOR,VARIABLE 3FN	EA	1
19	19	PAHZZ	5905-00-985-5944	GA2N040S103MA	01121	RESISTOR,VARIABLE,COMPOSITION 3F3	EA	1
19	20	PAHZZ	5930-00-856-6276	PA110-1006	71590	SWITCH,ROTARY	EA	1
19	21	PAHHH	6625-00-818-1618	32113685	20183	PRINTED BOARD ASSEMBLY	EA	1
19	22	PAHZZ	5935-00-201-8476	26-159-16	02660	CONNECTOR,PLUG,ELECTRICAL	EA	1
19	23	PAHZZ	5910-00-787-2109	CS13BF105K	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
19	24	PAHZZ	5910-00-064-8379	CSR13G473KM	81349	CAPACITOR,FIXED,ELECTROLYTIC	EA	1
19	25	PAHZZ	5905-00-279-1761	RC20GF621J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
19	26	PAHZZ	5905-00-192-3973	RC20GF471J	81349	RESISTOR,FIXED,COMPOSITION	EA	1



FRONT VIEW



REAR VIEW

ELIAZ022

Figure 20. Vertical Plug-in MX2996 ( )/USM-117, Emitter Follower Assembly.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
20	1	PAHZZ	5905-00-061-1322	RN65D2004F	81349	RESISTOR,FIXED,FILM	EA	2
20	2	PAHZZ	5961-00-752-5351	JAN1N643	81349	SEMICONDUCTOR DEVICE,DIODE	EA	2
20	3	PAHZZ	5905-00-192-3973	RC20GF471J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
20	4	PAHZZ	5961-00-087-9772	2N780	01295	TRANSISTOR	EA	2
20	5	XDHZZ		RN65D9C00F	81349	RESISTOR,FIXED,FILM	EA	1
20	6	PAHZZ	5905-00-588-0604	RN65D1502F	81349	RESISTOR,FIXED,FILM	EA	1
20	7	PAHZZ	5961-00-882-8675	2N965	80131	TRANSISTOR	EA	1
20	8	PAHZZ	5905-00-279-1757	RC20GF152J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
20	9	PAHZZ	5905-00-990-2257	RN65DJ992F	81349	RESISTOR,FIXED,FILM	EA	1

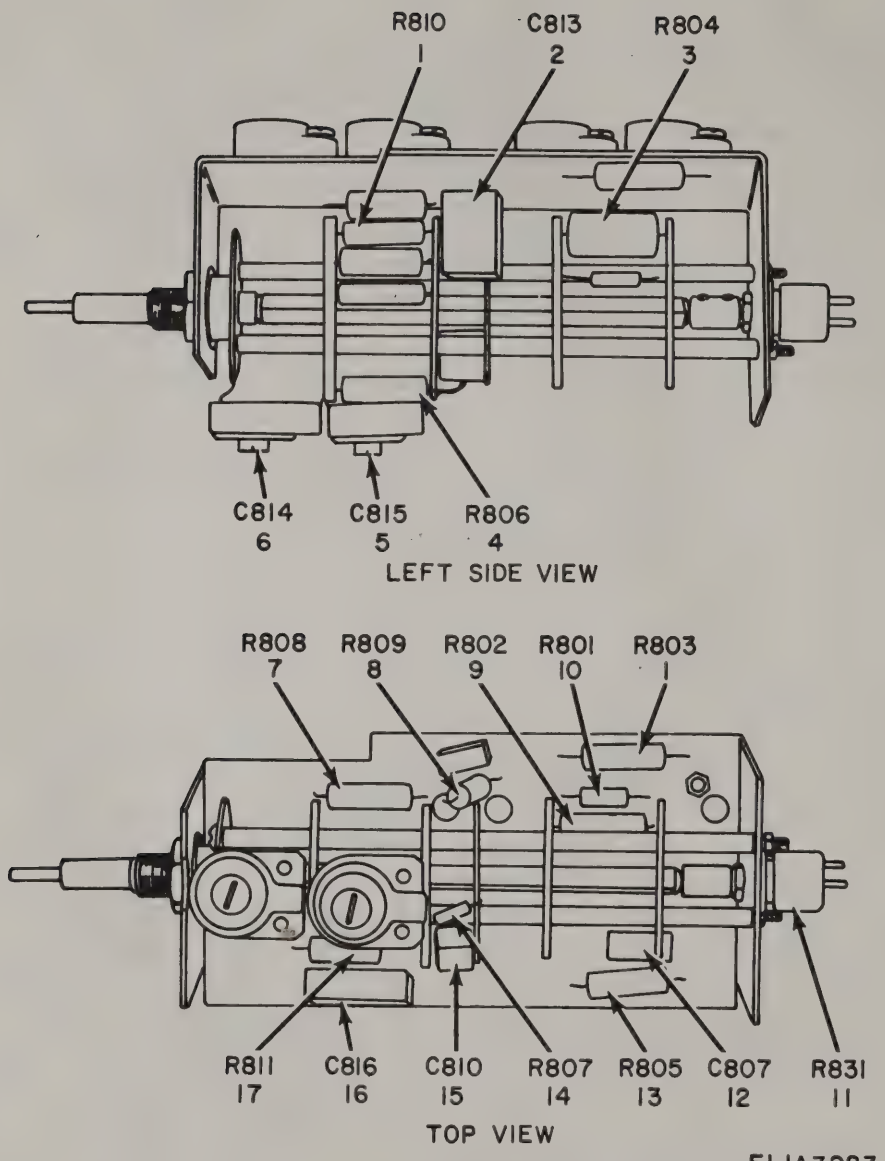


Figure 21. Vertical Plug-in MX2996 ( )/USM-117, Switch Assembly S802.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
21	1	PAHZZ	5905-CO-959-6005	RN70D1C04F	81349	RESISTOR,FIXED,FILM	EA	2
21	2	XDHZZ		CM20C221KN3	81349	CAPACITOR,FIXED,MICA	EA	1
21	3	XDHZZ		RN70D8003F	81349	RESISTOR,FIXED,FILM	EA	1
21	4	XDHZZ		RN70D9C03F	81349	RESISTOR,FIXED,FILM	EA	1
21	5	PAHZZ	5910-00-556-9440	CV11A070	81349	CAPACITOR,VARIABLE,CERAMIC	EA	1
21	6	PAHZZ	5910-CO-160-1207	CV11D300	81349	CAPACITOR,VARIABLE,CERAMIC DIELECTRIC	EA	1
21	7	XDHZZ		RN70D9903F	81349	RESISTOR,FIXED,FILM	EA	1
21	8	XDHZZ		RN70D1012F	81349	RESISTOR,FIXED,FILM	EA	1
21	9	PAHZZ	5905-00-504-5759	RN70B4993F	81349	RESISTOR,FIXED,FILM	EA	1
21	10	PAHZZ	5905-00-190-8883	RC20GF100J	81349	RESISTOR,FIXED,COMPOSITION	EA	1
21	11	PAHZZ	5905-00-581-6185	RV6NAYS0502A	81349	RESISTOR,VARIABLE 3FN	EA	1
21	11	XDHZZ		GA2G040S501MA	01121	RESISTOR,VARIABLE 3F3	EA	1
21	12	PAHZZ	5910-00-833-8298	CM15CD100J03	81349	CAPACITOR,FIXED,MICA	EA	1
21	13	PAHZZ	5905-00-069-4508	RN70D2493F	81349	RESISTOR,FIXED,FILM	EA	1
21	14	XDHZZ		RN70D1113F	81349	RESISTOR,FIXED,FILM	EA	1
21	15	XDHZZ		CM15C220JN3	81349	CAPACITOR,FIXED,MICA	EA	1
21	16	PAHZZ	5910-00-724-6079	CM30FD222G03	81349	CAPACITOR,FIXED,MICA	EA	1
21	17	PAHZZ	5905-00-988-0144	RN70D1001F	81349	RESISTOR,FIXED,FILM	EA	1

NOTE: LATEST NATIONAL STOCK NUMBER AND PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.
5910-00-018-0859	19	8
6625-00-034-6308	1	4
5905-00-056-7817	8	29
5905-00-059-9323	3	20
5905-00-061-1322	20	1
5910-00-061-1337	4	27
5905-00-062-6662	4	53
5910-00-064-8379	17	2
5905-00-069-4508	21	13
5905-00-071-1577	3	7
5905-00-078-7456	12	9
5905-00-080-3913	3	1
5905-00-080-3914	4	57
5905-00-087-0587	5	12
5961-00-087-9772	20	4
5935-00-149-3534	1	14
5935-00-149-3914	1	11
5910-00-160-1207	19	16
5910-00-160-1207	21	6
5905-00-171-1999	4	17
5905-00-171-2003	10	5
5905-00-171-2004	11	15
5905-00-171-2004	17	9
5905-00-171-2006	5	2
5905-00-171-2006	14	12
5905-00-171-2006	15	3
5905-00-171-2006	19	6
5905-00-185-8490	11	1
5905-00-185-8490	16	5
5905-00-185-8510	4	18
5905-00-185-8510	8	22
5905-00-185-8510	11	7
5905-00-185-8510	13	8
5905-00-185-8510	14	2
5905-00-185-8510	16	24
5905-00-185-8510	17	6
5905-00-190-8880	5	6
5905-00-190-8881	15	7
5905-00-190-8881	19	7
5905-00-190-8883	4	2
5905-00-190-8883	7	3
5905-00-190-8883	10	4
5905-00-190-8883	21	10
5905-00-190-8887	8	17
5905-00-192-0390	3	6
5905-00-192-0390	11	9
5905-00-192-0667	11	11
5905-00-192-3971	5	3
5905-00-192-3971	8	15
5905-00-192-3971	15	4
5905-00-192-3973	5	19
5905-00-192-3973	14	9
5905-00-192-3973	19	26
5905-00-192-3973	20	3
5905-00-192-4490	4	15
5905-00-195-6761	4	34
5905-00-195-6761	11	14
5905-00-195-6761	16	32
5905-00-195-6806	4	16
5905-00-195-6806	15	1
5905-00-195-6806	16	1
5905-00-195-6806	19	5
5935-00-201-2411	1	10
5935-00-201-8476	19	22
5935-00-240-8166	3	26
5905-00-249-4256	14	8
5905-00-252-4018	3	5
5905-00-252-4018	12	2
5905-00-252-4018	16	21
5905-00-252-4018	17	3
5905-00-252-5434	5	5
5905-00-254-7087	16	8
5905-00-254-9201	16	15
5905-00-256-0410	16	13
5935-00-258-1194	8	25
5935-00-259-4636	3	14
5960-00-269-3023	3	28
5905-00-279-1757	4	40
5905-00-279-1757	5	13
5905-00-279-1757	15	2
5905-00-279-1757	20	8
5905-00-279-1761	8	28
5905-00-279-1761	10	2
5905-00-279-1761	19	25
5905-00-279-1876	8	11
5905-00-279-1877	8	14
5905-00-279-1878	12	5
5905-00-279-1880	8	13
5905-00-279-1880	14	7
5905-00-279-1880	17	11
5905-00-279-1890	4	3
5905-00-279-1890	16	28
5905-00-279-1979	7	1
5905-00-279-2019	14	13
5905-00-279-2514	8	24
5905-00-279-2515	4	56
5905-00-279-2519	4	10
5905-00-279-2591	14	10
5905-00-279-2593	15	6
5905-00-279-2616	16	2
5905-00-279-2616	17	8
5905-00-279-2626	8	18
5905-00-279-2642	8	18
5905-00-279-2665	19	14
5905-00-279-2673	16	3
5905-00-279-3494	4	22
5905-00-279-3497	5	7
5905-00-279-3500	4	45
5905-00-279-3500	16	11
5905-00-279-3502	11	6
5905-00-279-3503	8	19
5905-00-279-3503	10	9
5905-00-279-3503	16	10
5905-00-279-3504	8	27
5905-00-279-3504	13	6
5905-00-279-3504	16	17
5905-00-279-3504	17	1
5905-00-279-3504	19	2
5905-00-279-3505	16	26
5905-00-279-3506	4	42
5905-00-279-3506	8	23
5905-00-279-3506	16	31
5905-00-279-3513	4	11
5905-00-279-3513	10	13
5920-00-280-8344	4	6
6250-00-283-9741	4	43
5905-00-299-1971	8	12
5905-00-299-1971	12	10
5905-00-299-1971	13	1
5905-00-299-1971	19	4
5905-00-299-2030	16	25
5905-00-299-2040	14	4
5920-00-450-8063	3	30
5995-00-503-0470	1	5
5905-00-504-5799	21	9
5961-00-519-6977	7	2
5905-00-542-9605	4	24
5905-00-542-9605	18	3
5905-00-542-9605	19	19
5910-00-543-0833	19	1
5910-00-543-9502	4	23
5910-00-543-9502	19	15
5905-00-552-6017	4	13
5910-00-556-9440	19	17
5910-00-556-9440	21	5
5905-00-577-0436	16	23
5905-00-577-1761	3	7
5905-00-577-1761	4	1
5905-00-577-3608	18	4
5905-00-581-6185	21	11
5961-00-582-1181	10	10
5935-00-636-7145	1	9
5935-00-642-4901	3	27
5905-00-665-4947	13	3
5910-00-668-4582	4	8
5910-00-668-4582	12	6
5910-00-668-4582	19	9
5910-00-676-7576	3	8
5935-00-681-5685	1	13

STOCK NUMBER	FIGURE NO.	ITEM NO.
5905-CC-702-0589	4	20
5905-00-713-2500	4	47
5910-00-722-3539	4	12
5355-00-725-6095	2	5
5355-00-726-2704	3	22
5910-00-727-3548	17	12
5961-00-752-5362	5	10
5355-00-762-1493	2	4
5910-00-787-2109	8	3
5910-00-787-2109	10	8
5910-00-787-2109	12	7
5910-00-787-2109	17	4
5910-00-787-2109	19	23
5935-CC-805-4991	1	8
5905-00-811-4821	5	17
5961-00-813-7283	16	20
5910-00-814-2691	4	26
5905-00-814-3815	19	12
5910-00-815-9536	14	6
6625-00-818-1602	9	1
6625-00-818-1607	12	1
6625-00-818-1608	2	19
6625-00-818-1610	17	10
6625-00-818-1614	19	13
6625-00-818-1618	19	21
6130-00-818-1628	9	2
5930-00-820-9131	3	12
5305-00-821-0936	2	3
5910-00-822-5683	4	51
5910-00-822-5683	11	5
5935-00-823-0487	1	6
5910-00-823-1204	15	8
5910-00-823-1808	5	16
5961-00-826-0799	5	4
5961-00-826-0799	13	2
5961-00-828-7481	11	10
5910-00-833-8298	4	46
5910-00-833-9542	5	18
5905-00-837-9291	3	3
5910-00-838-9421	4	38
5961-00-845-6458	8	6
5961-00-851-5923	16	16
5961-00-853-1079	8	4
5950-00-856-3065	3	17
5905-00-856-6106	8	21
5935-00-856-9441	1	12
6625-00-872-9101	2	10
5960-00-873-2626	2	1
5905-00-879-4409	3	11
5910-00-879-4759	5	8
5961-00-882-4244	17	5
5960-00-882-8673	3	31
5961-00-882-8675	20	7
5961-00-882-8676	16	7
5961-00-882-8680	10	12
5961-00-882-8681	3	29
5961-00-882-8681	4	5
5961-00-882-8681	8	9
5910-00-882-9249	4	32
5910-00-882-9250	4	29
5910-00-883-0064	4	25
5905-00-892-6479	3	19
5905-00-892-7282	4	52
5910-00-892-7597	4	54
5910-00-892-7597	5	9
5910-00-892-7704	4	31
5910-00-912-4860	11	18
5915-00-912-7331	3	15
5999-00-917-3030	8	8
5910-00-917-8509	10	1
5910-00-917-8509	11	12
5995-00-928-2871	3	23
6625-00-930-6836	1	3
5961-00-938-1460	16	14
5961-00-951-2140	8	2
5930-00-954-0408	4	49
5930-00-954-0409	3	18
5905-00-959-6009	21	1
5950-00-966-9406	10	11
5905-00-985-5944	19	19
5995-00-985-7744	1	7
5905-00-988-0144	21	17
5905-00-988-0604	20	6
5905-00-990-2257	20	9
5930-00-990-7414	19	18
5961-00-999-4566	5	11
5961-00-999-4566	11	8
5961-00-999-4566	16	12

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CC21CK020C	81349	4	12
CC21CK050C	81349	4	14
CC21CK050C	81349	16	27
CC21CK1R5C	81349	3	8
CG409EU	80058	1	5
CK6GAW102M	81349	4	38
CK63AW103M	81349	4	51
CK63AW103M	81349	11	5
CL64BJ600TP3	81349	7	4
CL64BJ600TP3	81349	10	7
CMG492005	71785	3	26
CM15C200JN3	81349	17	12
CM15C201JN3	81349	5	16
CM15C220JN3	81349	21	15
CM15C620JN3	81349	14	1
CM15C820JN3	81349	15	8
CM15D301JN3	81349	14	6
CM15D331JN3	81349	5	18
CM15D511JN3	81349	4	26
CM20C221KN3	81349	21	2
CP05A1KF104K3	81349	4	23
CP05A1KF104K3	81349	19	15
CP53B1FG254K1	81349	4	36
CS13AB331M	81349	8	1
CS13BF105K	81349	8	3
CS13BF105K	81349	10	8
CS13BF105K	81349	12	7
CS13BF105K	81349	17	4
CS13BF105K	81349	19	23
CV11A070	81349	19	17
CV11A070	81349	21	5
CV11A120	81349	19	1
CV11D300	81349	19	16
CV11D300	81349	21	6
CV11D450	81349	4	8
CV11D450	81349	12	6
CV11D450	81349	19	9
CW541BUSM117	80058	1	3
CX4704AU	80058	1	7
C512AF4R7K	81349	4	48
C512AF4R7K	81349	12	11
E2461	72699	4	29
E2462	72699	4	25
F02GR500A	81349	4	6
GA1N040S103UA	01121	4	24
GA2G028S255MA	01121	4	21
GA2G028S504MA	01121	4	20
GA2G040S102MA	01121	4	1
GA2G040S104MA	01121	4	33
GA2G040S501MA	01121	21	11

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
GA2N032S503MC	01121	18	4
GA2N040S102MA	01121	3	7
GA2N040S103MA	01121	19	19
GA2N040S104MA	01121	4	19
GA2N040S251MA	01121	3	9
HVC4	80223	3	16
L20046R02	81640	2	8
MCH08A1EA105K	72699	5	8
MCHC8A1EA224K	72699	4	54
MCHC8A1EA224K	72699	5	9
MCP04A1KB223K	72699	4	28
MH2001-5X1Y	72699	4	32
MH2002-5X1Y	72699	4	30
MH2003-5X1Y	72699	4	31
MSC14B606M	72699	19	8
MS3102E14S7P	96906	3	27
MS3106E14S75	96906	1	8
MS90282-3	96906	4	43
MX2817U	80058	1	4
MX2996BUSM117	80058	1	2
MX2996CUSM117	80058	1	2
M023	76487	3	22
CS1068USM117	80058	1	1
CS106CUSM117	80058	1	1
RC20GF100J	81349	4	2
RC20GF100J	81349	7	3
RC20GF100J	81349	10	4
RC20GF100J	81349	21	10
RC20GF102J	81349	4	16
RC20GF102J	81349	15	1
RC20GF102J	81349	16	1
RC20GF102J	81349	19	5
RC20GF103J	81349	4	18
RC20GF103J	81349	8	22
RC20GF103J	81349	11	7
RC20GF103J	81349	13	8
RC20GF103J	81349	14	2
RC20GF103J	81349	16	24
RC20GF103J	81349	17	6
RC20GF104J	81349	4	34
RC20GF104J	81349	11	14
RC20GF104J	81349	16	32
RC20GF105J	81349	3	6
RC20GF105J	81349	11	9
RC20GF121J	81349	5	5
RC20GF122J	81349	5	6
RC20GF123J	81349	11	6
RC20GF152J	81349	4	40
RC20GF152J	81349	5	13
RC20GF152J	81349	15	2
RC20GF152J	81349	20	8
RC20GF153J	81349	16	2
RC20GF153J	81349	17	8
RC20GF181K	81349	16	13
RC20GF182J	81349	15	7
RC20GF182J	81349	19	7
RC20GF183J	81349	4	45
RC20GF183J	81349	16	11
RC20GF202J	81349	8	17
RC20GF204J	81349	10	5
RC20GF206J	81349	19	14
RC20GF221J	81349	4	11
RC20GF221J	81349	10	13
RC20GF222J	81349	8	11
RC20GF223J	81349	11	15
RC20GF223J	81349	17	9
RC20GF224J	81349	11	11
RC20GF241J	81349	15	6
RC20GF242J	81349	8	14
RC20GF243J	81349	12	5
RC20GF271J	81349	5	2
RC20GF271J	81349	14	12
RC20GF271J	81349	15	3
RC20GF271J	81349	19	6
RC20GF272J	81349	8	13
RC20GF272J	81349	14	7
RC20GF272J	81349	17	11
RC20GF330J	81349	4	15
RC20GF331J	81349	5	3
RC20GF331J	81349	8	15
RC20GF331J	81349	15	4
RC20GF332J	81349	4	42
RC20GF332J	81349	8	23
RC20GF332J	81349	16	31
RC20GF334J	81349	4	10
RC20GF363J	81349	14	8
RC20GF391J	81349	4	3
RC20GF391J	81349	16	28
RC20GF392J	81349	16	26
RC20GF393J	81349	5	7
RC20GF470J	81349	3	5
RC20GF470J	81349	12	2
RC20GF470J	81349	16	21
RC20GF470J	81349	17	3
RC20GF471J	81349	5	19
RC20GF471J	81349	14	9
RC20GF471J	81349	19	26
RC20GF471J	81349	20	3
RC20GF472J	81349	8	27
RC20GF472J	81349	13	6
RC20GF472J	81349	16	17
RC20GF472J	81349	17	1
RC20GF472J	81349	19	2
RC20GF473J	81349	16	15
RC20GF474J	81349	4	56
RC20GF475J	81349	11	1
RC20GF475J	81349	16	5
RC20GF512J	81349	14	13
RC20GF564J	81349	8	24
RC20GF602J	81349	8	19
RC20GF602J	81349	10	9
RC20GF602J	81349	16	10
RC20GF621J	81349	8	28
RC20GF621J	81349	10	2
RC20GF621J	81349	19	25
RC20GF622J	81349	16	3
RC20GF683K	81349	16	8
RC20GF821J	81349	4	17
RC20GF822J	81349	8	12
RC20GF822J	81349	12	10
RC20GF822J	81349	13	1
RC20GF822J	81349	19	4
RC20GF823J	81349	4	22
RC32GF123J	81349	16	25
RC32GF391J	81349	8	18
RC32GF472J	81349	14	4
RC32GF512J	81349	14	10
RC32GF681J	81349	8	18
RC42GF101J	81349	7	1
RN65DJ992F	81349	20	9
RN65D1000F	81349	5	17
RN65D1003F	81349	19	12
RN65D1213F	81349	4	57
RN65D1502F	81349	20	6
RN65D2004F	81349	20	1
RN65D4993F	81349	4	52
RN65D5622F	81349	4	53
RN65D9000F	81349	5	15
RN65D9000F	81349	20	5
RN70B4993F	81349	21	9
RN70D1001F	81349	21	17
RN70D1003F	81349	3	19
RN70D1004F	81349	21	1
RN70D1012F	81349	21	8
RN70D1113F	81349	21	14
RN70D2212F	81349	12	9
RN70D2492F	81349	3	20

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
RN70D2493F	81349	21	13
RN70D4991F	81349	5	12
RN70D4992F	81349	3	1
RN70D8003F	81349	21	3
RN70D9003F	81349	21	4
RN70D9762F	81349	4	47
RN70D9903F	81349	21	7
RN75B1103F	81349	4	13
RS253M	01121	3	4
RS254M	01121	3	2
RS503M	01121	3	3
RV6LAXSA103B	81349	16	23
RV6LAXSA2518	81349	4	9
RV6LAXSA252B	81349	16	6
RV6LAXSA503A	81349	8	20
RV6LAYSA501A	81349	13	3
RV6NAYSD102A	81349	3	7
RV6NAYSD102A	81349	4	1
RV6NAYSD103A	81349	4	24
RV6NAYSD103A	81349	18	3
RV6NAYSD103A	81349	19	19
RV6NAYSD502A	81349	21	11
RV6NAYSD503A	81349	18	4
R50-1WD1G	49956	2	5
R50-1WD1G	49956	18	1
TC6	70309	3	10
TM1-4-10000HM	01295	8	21
TM1-4-15000HM	01295	12	4
TM1-4-8200HM	01295	8	29
T2150	81640	3	12
UG1035U	80058	1	12
UG255U	80058	1	11
UG273U	80058	1	14
UG274AU	80058	1	10
UG625BU	80058	2	7
UG625BU	80058	4	7
UG625BU	80058	18	5
UG88CU	80058	1	13
UG88EU	80058	1	6
UP121M	80058	1	9
1N1731A	81349	10	10
1N30518	81349	11	16
1N538	01295	7	2
1N751A	01295	8	2
1N756A	81349	8	6
1N914	01295	5	11
1N914	01295	11	8
1N914	01295	16	12
1N989B	04713	11	13
1N992B	81349	11	10
19175-1	74868	8	25
2N1226	80131	11	3
2N1226	80131	13	7
2N1304	01295	5	4
2N1304	01295	13	2
2N1305	81349	8	4
2N1307	01295	16	20
2N1309	81349	16	16
2N1546	80131	3	29
2N1546	80131	4	5
2N1546	80131	8	9
2N1547	80131	10	12
2N337	81349	12	8
2N338	01295	16	14
2N388	81349	5	10
2N705	80131	15	10
2N705	80131	16	9
2N705	80131	17	7
2N705	80131	19	3
2N706	81349	4	41
2N780	01295	20	4
2N863	80131	16	7
2N965	80131	20	7
26-159-16	02660	19	22
26-190-16	02660	3	14
3WW50-2W	71590	3	11
3023-2	71400	4	35
32113074	20183	2	9
32113075	20183	2	10
32113104	20183	19	18
32113112	20183	4	49
32113187	93346	2	1
32113188	20183	3	17
32113465	20183	10	11
32113509	20183	3	18
32113588	93346	2	15
32113590	93346	2	13
32113591	93346	2	11
32113595	93346	2	16
32113596	93346	2	12
32113600	93346	2	14
32113673	93346	9	2
32113677	20183	6	2
32113683	93346	6	1
32113685	20183	19	21
32113686	20183	9	1
32113687	20183	16	30
32113688	20183	17	10
32113690	20183	2	18
32113691	20183	5	20
32113692	20183	12	1
32113699	20183	19	13
32113714	20183	4	50
32113716	20183	4	55
32113754	20183	3	24
32113775	20183	3	13
32113776	20183	2	19
32113870	20183	3	23
32113881	20183	10	1
32113881	20183	11	12
32114620	20183	3	28
32115538	20183	10	6
32115544	20183	2	17
32115559	20183	11	18
33285098	20183	3	15
342012	75915	3	30
4QP31	93346	3	31
4602-2-16	01009	2	3
50-1WD1G	99687	2	2
50-1WD1G	99687	18	7
52E312	01364	4	44
6025-4	08730	8	8
70-3CB2G	49956	18	2
703CB2G	49956	2	4

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIG. NO.	ITEM NO.
5355-00-057-7794	2	2
5355-00-057-7794	18	7
5910-00-064-8379	16	22
5910-00-064-8379	19	24
5905-00-106-9344	5	1
5905-00-106-9344	11	4
5905-00-106-9344	14	5
5905-00-106-9344	15	5
6240-00-155-7810	4	44
5935-00-201-9490	4	37
5935-00-201-9490	8	26
6210-00-226-4542	2	8
5905-00-258-4912	12	3
5905-00-258-4912	13	5
5905-00-443-7796	8	10
5905-00-486-6763	8	16
5905-00-486-6763	13	4
5905-00-486-6763	19	10
5950-00-493-5779	3	25
5935-00-552-7660	2	7
5935-00-552-7660	4	7
5935-00-552-7660	18	5
5905-00-556-4086	8	20
5905-00-577-0437	4	39
5905-00-642-1977	4	4
5950-00-682-3160	3	16
5910-00-724-6079	21	16
5355-00-725-6095	18	1
5961-00-752-5351	16	19
5961-00-752-5351	20	2
5961-00-754-8704	12	8
5355-00-762-1493	18	2
5961-00-811-4707	15	10
5961-00-811-4707	16	9
5961-00-811-4707	17	7
5961-00-811-4707	19	3
5905-00-813-8638	3	21
5910-00-833-8298	21	12
5961-00-842-6937	4	41
5961-00-843-9086	11	16
5910-00-850-0540	11	2
5910-00-850-0540	14	11
5961-00-850-9559	11	13
6625-00-856-2998	15	9
5905-00-856-6105	12	4
5961-00-882-4244	14	3
5961-00-882-4244	16	18
5961-00-882-8677	11	3
5961-00-882-8677	13	7
5910-00-882-9247	4	30
5961-00-892-0919	8	7
5905-00-892-6526	5	14
5905-00-912-2247	18	3
5961-00-947-5759	10	3
5910-00-950-6428	4	58
5910-00-984-8373	11	17
5910-00-984-8373	16	4
5910-00-984-8373	19	11
5355-00-990-3173	2	6
5355-00-990-3173	18	6
5961-00-995-2310	8	5
5961-00-995-2310	16	29

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
BA9938OISSUE2DET6	70408	12	3
BA9938OISSUE2DET6	70408	13	5
CM15CD100JO3	81349	4	46
CM15CD100JO3	81349	21	12
CM15FD101GP3	81349	11	17
CM15FD101GP3	81349	16	4
CM15FD101GP3	81349	19	11
CM15FD181GP3	81349	4	58
CM15FD510GO3	81349	11	2
CM15FD510GO3	81349	14	11
CM30FD222GO3	81349	21	16
CSR13G473KM	81349	16	22
CSR13G473KM	81349	17	2
CSR13G473KM	81349	19	24
C25ETS330-10	90095	15	9
GW2N032S103UA	01121	18	3
JAN1N1734A	81349	10	3
JAN1N643	81349	16	9
JAN1N643	81349	20	2
JAN1N989B	81349	11	13
JAN2N1225	81349	14	3
JAN2N1225	81349	16	18
JAN2N1225	81349	17	5
MCP04A1KB222K	12699	4	27
MS91528-OP1B	96906	2	6
MS91528-OP1B	96906	18	6
PA110-1006	71590	19	20
RCR20G101JS	81349	5	1
RCR20G101JS	81349	11	4
RCR20G101JS	81349	14	5
RCR20G101JS	81349	15	5
RCR32G241JS	81349	8	10
RN65D8062F	81349	3	21
RV6LAXSA104B	81349	4	39
RV6TAYSA102A	81349	8	16
RV6TAYSA102A	81349	13	4
RV6TAYSA102A	81349	19	10
RW55G121	81349	4	4
VBE890-1N752	81349	8	5
VBE890-1N752	81349	16	29
X2090-PLS6	71279	3	25
1N3050B	81349	8	7
225-2	74868	4	37
225-2	74868	8	26
32113570	20183	5	14

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DATE 10 July 1975

PUBLICATION NUMBER	DATE	TITLE
TM 11-5840-340-12	23 Jan 74	Radar Set AN/MSC-76

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PAGE NO.	PARAGRAPH	FIGURE NO.	TABLE NO.	
2-25	2-28			Recommend that the installation antenna alignment procedure be changed throughout to specify a 2° IFF antenna lag rather than 1°. REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 25 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation.
3-10	3-3		3-1	Item 5, Function column. Change "2 db" to "3db." REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.
5-6	5-8			Add new step f.1 to read, "Replace cover plate removed in step e.1, above." REASON: To replace the cover plate.
		F03		Zone C 3. On J1-2, change "+24 VDC to "+5 VDC." REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.

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SSG I. M. DeSpiritof 999-1776	SSG I. M. DeSpiritof

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